Eastern Kentucky University

'99, '01 Undergraduate Catalog

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Eastern Kentucky University
Undergraduate Catalog
1999-2001

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This publication was prepared by Eastern Kentucky University and paid from state funds.

Accreditations and Memberships

Accreditations

EASTERN KENTUCKY UNIVERSITY IS ACCREDITED BY THE COMMISSION ON COLLEGES OF THE SOUTHERN ASSOCIATION OF COLLEGES AND SCHOOLS TO AWARD ASSOCIATE, BACCALAUREATE, MASTER, AND SPECIALIST IN EDUCATION DEGREES.

American Dietetics Association
Dietetic Internship - Developmental Accreditation (Master of Science Degree Program)
Commission on Accreditation of Allied Health Education Programs on the recommendation of the Joint Review Committee on Education Programs for the EMT Paramedic
(Emergency Medical Technician/Paramedic)
(Associate Degree and Certificate Curricula)
Commission on Accreditation of Allied Health Education Programs on the recommendation of the Committee on Accreditation for Medical Assistant Education
(Medical Assisting Technology)
(Associate Degree Program)
Commission on Accreditation of Allied Health Education Programs in cooperation with the Council on Accreditation of the American Health Information Management Association
(Health Information)
(Associate and Baccalaureate Degree Programs)
(Post-Baccalaureate Certificate Program)
National Accrediting Agency for Clinical Laboratory Sciences
(Associate and Baccalaureate Degree Programs)
Accreditation Council for Occupational Therapy Education
(Baccalaureate Degree and Post-Baccalaureate Certificate Programs)
American Speech-Language-Hearing Association Professional Services Board (Clinic)
Council on Academic Accreditation (Graduate Degree Program)
Computer Science Accreditation Commission of the Computer Science Accreditation Board
(Baccalaureate Degree Program)
Council on Social Work Education
(Baccalaureate Degree Program)
International Council for Exceptional Children
International Society of Fire Services Instructors Emergency Management Accreditation and Certification System
(Professional Qualifications Council for Industry)
(Baccalaureate Degree Program)
National Association for the Education of Young Children
National Association of Industrial Technology
National Association of Schools of Music
National Association of Schools of Public Affairs and Administration
(Master of Public Administration Degree Program)
National Athletic Trainers Association
National Environmental Health Science and Protection Accreditation Council
(Baccalaureate Degree Program)
National Council for Accreditation of Teacher Education
National League for Nursing Accrediting Commission
(Associate and Baccalaureate Degree Programs)
National Recreation and Park Association/American Association for Leisure and Recreation Joint Council on Accreditation
(Baccalaureate Degree Program)
American Council for Construction Education

THE FOLLOWING PROGRAMS ARE APPROVED AGENCIES.
American Bar Association
Paralegal
(Associate and Baccalaureate Degree Programs)
American Chemical Society
Chemistry
(Bachelor of Science Degree Program)
The American Dietetics Association
General Dietetics
(Baccalaureate Degree Program)
American Association for Health Education
Health Education, School Health Option
(Baccalaureate Degree Program)
Association of Graduate Faculties in Public Health
Community Nutrition
(Master of Science Degree Program)
Council of Applied Masters Programs in Psychology
Clinical Psychology
(Master of Science Degree Program)
School Psychology
(Specialist in Psychology Degree Program)
Kentucky Board of Nursing
Nursing
(Associate and Baccalaureate Degree Programs)
Kentucky Department of Education
School Psychology
(Specialist in Psychology Degree Program)
National Association for Sport and Physical Education
Physical Education, P-12 Teaching Option
(Baccalaureate Degree Program)
Public Relations Society of America
(Baccalaureate Degree Program)

Memberships

Academy of Criminal Justice Services
All-Terrain Vehicle Safety Institute
American Assembly of Collegiate Schools of Business
American Association of Airport Executives
American Association of Colleges of Nursing
American Association of Colleges for Teacher Education
American Association of Collegiate Registrars and Admission Officers
American Association of Educational Service Agencies
American Association of Family and Consumer Sciences
American Association of State Colleges of Agriculture and Renewable Resources
American Association of State Colleges and Universities
American Association of University Women
American Association for Paralegal Education
American College Health Association
American Conference of Academic Deans
American Council for Construction Education
American Council on Education
American Council on the Teaching of Foreign Languages
American Driver and Traffic Safety Education Association
American Historical Association
American Hospital Association
American Health Information Management Association Assembly on Education
American Political Science Association
American Society of Allied Health Professions
American Society of Human Genetics
American Society for Training and Development
American Technical Education Association

Associated Schools of Construction
Association for Computing Machinery
Association for Supervision and Curriculum Development
Association for General and Liberal Studies
Association for Gerontology in Higher Education
Association for School, College, and University Staffing, Inc.
Association for University Interior Designers
Association of Departments of English
Association of Governing Boards of Universities and Colleges
Association of Graduate Faculties in Public Health Nutrition
Association of Schools of Journalism and Mass Communication
Association of Departments of Foreign Languages
Broadcast Education Association
Broadcast Promotion and Marketing Executives Association
College Placement Council, Inc.
Conference of Southern Graduate Schools
Council for Advancement and Support of Education
Council of Applied Masters Programs in Psychology
Council of Colleges of Arts and Sciences
Council of Graduate Departments of Psychology
Council of Graduate Schools
Council on Aviation Accreditation
Council on Social Work Education
International Reading Association
International Technology Education Association
International Television Association
Kentucky Academy of Science
Kentucky Association of Department of English
Kentucky Broadcasters Association
Kentucky Council of Associate Degree Nursing
Kentucky Paramedic Association
Kentucky Press Association
Kentucky Tourism Council
Mid-American College Art Association
Motorcycle Safety Foundation
National Association for Business Teacher Education
National Association for the Exchange of Industrial Resources
National Association for Foreign Student Affairs
National Association of Advisors for the Health Professions
National Association of College Admission Counselors
National Association of College and University Attorneys
National Association of Colleges and Teachers of Agriculture
National Association of Industrial Technology
National Association of School Music Dealers, Inc.
National Association of Schools of Music
National Association of Schools of Public Affairs and Administration
National Association of Student Personnel Administrators
National Collegiate Athletic Association
National Collegiate Honors Council
National Commission for Cooperative Education
National Council of Art Administrators
National Council of Teachers of English
National Environmental Health Association
National Faculty Exchange
National Fire Protection Association
National Intramural Recreational Sports Association
National League for Nursing
National Recreation and Park Association
National Safety Council
National Society for Experiential Education
National University Continuing Education Association
National Wellness Association
Newspaper Association of America
Southeastern Association of Advisors for the Health Professions
Southeastern College Art Conference
Southern Association of Colleges and Schools, Inc.
Southern Association of Collegiate Registrars and Admission Officers
Southern Association of Community, Junior, and Technical Colleges
Southern Council on Collegiate Education for Nursing
Southern Regional Education Board
Southern Regional Honors Council
Teacher Education Council of State Colleges and Universities
Travel and Tourism Research Association
University Aviation Association

All statements in this publication are announcements of present policy only and are subject to change without prior notice. Nothing contained in this publication is intended to create nor shall be construed as creating a contract, either express or implied, or guarantee for any term or for any specific procedures.

Eastern Kentucky University is an Equal Opportunity/Affirmative Action employer and educational institution and does not discriminate on the basis of age, race, color, religion, sex, disability, national origin or Vietnam era veteran status in the admission to, or participation in, any educational program or activity which it conducts, or discriminate on such basis in any phase of employment including, but not limited to, recruiting, hiring, promotion, and compensation. The Board of Regents of Eastern Kentucky University does hereby reaffirm the University's commitment to providing educational opportunities to all qualified students regardless of economic or social status and ensuring that participation in all University sponsored activities will be administered in a way that furthers the principles of equal employment and educational opportunities. Any complaint arising by reason of alleged discrimination should be directed to the Affirmative Action Office of Eastern Kentucky University or to the Director of the Office for Civil Rights, U.S. Department of Education, Washington, DC.

Eastern Kentucky University does not discriminate on the basis of disability in the admission or access to educational opportunities, programs or activities. The Director of Services for Students with Disabilities, Turley House, Room 1, Eastern Kentucky University, Richmond, Kentucky 40475, coordinates compliance with all federal, state and local laws and regulations concerning access for disabled individuals. Requests for information concerning the Americans with Disabilities Act and other federal and state laws relating to disabilities and the rights provided thereunder, as well as all requests for accommodations based upon disability should be directed to this office.

Eastern Kentucky University is committed to providing a healthy and safe environment for its students, faculty and staff through its compliance with the Drug-Free Workplace Act of 1988 and the Drug-Free Schools and Communities Act Amendment of 1989. In accordance with these laws, students, faculty and staff are hereby notified of the standards of conduct which shall be applicable while on University property, on University business or at University sponsored activities.

By University rules and regulations, federal laws, state laws, and local ordinances, students, faculty and staff are prohibited from the unlawful possession, use, dispensation, distribution, or manufacture of illicit drugs on University property, on University business and/or at University sponsored activities.

Any member of the student body, faculty or staff who violates the University's standards of conduct shall be subject to appropriate disciplinary action up to and including suspension and/or termination. In addition to disciplinary sanctions, students or employees may face prosecution and imprisonment under federal and/or state laws which make such acts felony or misdemeanor crimes. The specifically defined standards of conduct, the disciplinary procedures and possible sanctions appear in the *Student Handbook* and the *Faculty/Staff Handbook*.

Continuous efforts are made to make students, faculty and staff aware of the on-campus and off-campus programs which provide information and professional services on matters related to the abuse of alcohol and drugs. For additional information individuals should contact the Eastern Kentucky University Counseling Center.

University Calendar

FALL SEMESTER 1999

August	18	Residence halls open.
	19	Advising period resumes.
	23	Classes begin. Late registration begins.
	27	Last day to register for or add full-semester classes at the Registration Center.
	28	Last day to register for or add full-semester classes using The Colonel Connection.
September	6	Holiday.
October	11	Holiday.
	15	Last day to drop full-semester classes or to withdraw from the University.
November	23	Holiday begins at 6:00 p.m. No evening classes.
	29	Classes resume.
December	6	"Pre-Final Examination Week" begins.
	11	Classes end. Recognition reception for candidates completing degree requirements during the Fall Semester 1999.
	13	Final Examination Week begins.
	18	Final Examination Week ends. Fall semester ends.

SPRING SEMESTER 2000

January	12	Residence halls open.
	13	Advising period resumes.
	17	Holiday.
	18	Classes begin. Late registration begins.
	24	Last day to register for or add full-semester classes.
February	21	Holiday.
March	10	Last day to drop full-semester classes or to withdraw from the University.
	19	Spring break begins.
	27	Classes resume.
May	1	"Pre-Final Examination Week" begins.
	6	Classes end.
	8	Final Examination Week begins.
	13	Final Examination Week ends. Commencement exercises, 1:30 p.m. Spring semester ends.

INTERSESSION 2000

May	15	Classes begin.
	16	Last day to register for Intersession.
	26	Last day to withdraw from Intersession.
	29	Holiday.
June	9	Intersession ends.

SUMMER SESSION 2000

June	11	Residence halls open.
	12	Advising resumes.
	13	Classes begin.
	15	Last day to register for or add full-session classes.
July	4	Holiday.
	10	Last day to drop full-session classes or to withdraw from the University.
August	3	Commencement exercises, 7:30 p.m.
	4	Summer session ends.

FALL SEMESTER 2000

August	16	Residence halls open.
	17	Advising period resumes.
	21	Classes begin. Late registration begins.
	25	Last day to register for or add full-semester classes at the Registration Center.
	26	Last day to register for or add full-semester classes using The Colonel Connection.
September	4	Holiday.
October	13	Last day to drop full-semester classes or to withdraw from the University.
November	7	Election Day. No classes, and offices will be closed.
	21	Holiday begins at 9:00 p.m. Evening classes will meet.
	27	Classes resume.
December	4	"Pre-Final Examination Week" begins.
	9	Classes end. Recognition reception for candidates completing degree requirements during the Fall Semester 2000.
	11	Final Examination Week begins.
	16	Final Examination Week ends. Fall semester ends.

SPRING SEMESTER 2001

January	10	Residence halls open.
	11	Advising period resumes.
	15	Holiday.
	16	Classes begin. Late registration begins.
	22	Last day to register for or add full-semester classes.
February	19	Holiday.
March	9	Last day to drop full-semester classes or to withdraw from the University.
	18	Spring break begins.
	26	Classes resume.
April	30	"Pre-Final Examination Week" begins.
May	5	Classes end.
	7	Final Examination Week begins.
	12	Final Examination Week ends. Commencement exercises, 1:30 p.m. Spring semester ends.

INTERSESSION 2001

May	14	Classes begin.
	15	Last day to register for Intersession.
	25	Last day to withdraw from Intersession.
	28	Holiday.
June	8	Intersession ends.

SUMMER SESSION 2001

June	10	Residence halls open.
	11	Advising resumes.
	12	Classes begin.
	14	Last day to register for or add full-session classes.
July	4	Holiday.
	9	Last day to drop full-session classes or to withdraw from the University.
August	2	Commencement exercises, 7:30 p.m.
	3	Summer session ends.

PART 1

Eastern Kentucky University

Introduction

Eastern Kentucky University is a regional, coeducational, public institution of higher education offering general and liberal arts programs, pre-professional and professional training in education and various other fields at both the undergraduate and graduate levels. Located in Richmond, Madison County, Kentucky, Eastern has a distinguished record of more than nine decades of educational service to the Commonwealth.

Situated near the heart of the Bluegrass, Richmond is served by a network of major highways which makes Eastern easily accessible from all parts of Kentucky and surrounding states. Richmond is 26 miles southeast of Lexington, Kentucky. Interstate Highways I-75 (north-south) and I-64 (east-west) make the metropolitan areas of Cincinnati, 112 miles to the north, and Louisville, 110 miles to the west, within convenient distance by automobile. Richmond is also served by U.S. Route 25 from southeastern Kentucky and Kentucky Route 52 from the east and west. The Kentucky Turnpike and the Mountain, Daniel Boone, and Cumberland Parkways provide even greater accessibility by automobile since the city is located near the convergence of these arterial highways into the interstate system.

Richmond, the county seat of Madison County, is an expanding community of approximately 24,000 population. Served by fine churches representing most Christian faiths, the community provides an excellent environment for the university student.

In and around Richmond are many areas of historic and scenic interest. Boonesborough State Park, birthplace of Kentucky, is located 12 miles to the north. Many other historical places are within easy driving distance. Scenic and recreational areas surround this section of the state.

History

The Kentucky General Assembly of 1906 enacted legislation establishing the Eastern Kentucky State Normal School. Governor J. C. Beckham signed the bill into law on March 21, 1906. On May 7 of that year, the Normal School Commission, meeting in Louisville, selected the campus of the old Central University, founded in 1874, in Richmond, Kentucky, as the site of the new school. On June 2, 1908, Ruric Nevel Roark was chosen President of the Normal School and the training of teachers was begun.

In 1922, Eastern became a four-year institution known as the Eastern Kentucky State Normal School and Teachers College. The first degrees were awarded by this institution in 1925. In 1928, the College was accredited by the Southern Association of Colleges and Secondary Schools. In 1930, the General Assembly renamed the school the Eastern Kentucky State Teachers College.

In 1935, a graduate program was approved at Eastern, leading to the Master of Arts degree in Education. In 1948, the General Assembly removed the word "Teachers" from the name of the college and granted the college the right to award nonprofessional degrees.

The most significant day since its founding came for Eastern on February 26, 1966, when Governor Edward T. Breathitt signed into law a bill renaming the institution Eastern Kentucky University and sanctioning the awarding of graduate degrees in academic fields other than education.

During this period of time, Eastern Kentucky University has increased rapidly in size and stature. Beginning with a few students engaged in short review and certificate courses, the University today serves thousands of Kentuckians. The curriculum leads to associate degrees, baccalaureate degrees, and an expanding graduate program that currently offers degrees at the master's level in many other fields as well as the already well-established Master of Arts degree in Education and the various fifth- and sixth-year leadership programs in education. Specialist degree programs have been implemented in education, psychology, and technology. In addition to these programs, Eastern offers joint doctoral programs with cooperating institutions.

Ever-mindful of the purpose of its founding, Eastern continues to recognize its historic function of preparing quality teachers for the elementary and secondary schools of the Commonwealth. However, a strong liberal arts curriculum leading to appropriate degrees, together with pre-professional courses in several areas and graduate programs, enable Eastern to serve the Commonwealth as a regional university.

Purpose

Within its statutory responsibilities, Eastern Kentucky University seeks to provide intellectual and cultural opportunities which will develop habits of scholarship and intellectual curiosity; provide a deep understanding of American democracy and the citizen's role in maintaining its strength and vitality; impart an understanding of humans and their aspirations; enable effective and efficient communication; and prepare productive and responsible citizens. The University will remain responsive and flexible in order to serve in unique and needed ways.

Within these general responsibilities and purposes, the University has three specific functions—teaching, public service, and research—and places emphasis on the three in this order. Through its colleges and schools, the University seeks to offer quality instruction at a variety of degree levels in general education, the arts, the sciences, business, education, pre-professional and professional areas, and applied and technical disciplines. Through consultative services, continuing education, and the extended campus, the University seeks to provide service to the community and the region. Research seeks both to advance knowledge in the subject matter areas with which the University is concerned and to support the primary function of teaching.

Mission Statement

The Kentucky Council on Higher Education has approved the following Mission Statement for Eastern Kentucky University:

"Eastern Kentucky University shall serve the citizens of the Commonwealth of Kentucky as a comprehensive, regional university, providing instruction, public service and research."

Geographic Region. In the development and offering of its programs and services, the University shall place priority on meeting the needs of the citizens of central, eastern, and southeastern Kentucky.

Institutional Admission Standards. Eastern Kentucky University shall admit students to the institution under selective admission standards which exceed the minimum guidelines established by the Council on Higher Education, with only limited exceptions. Institutional standards shall be consistent with the system wide policy for admitting under prepared students, including the removal of academic deficiencies within a specified timeframe. Through this approach, the University seeks to provide both broad access and high-quality programs.

Degree Levels. The University shall offer selected undergraduate programs, pre-professional curricula, and selected master's and education specialist programs determined to meet demonstrated student interest and/or societal needs. Special attention shall be paid to the educational needs of the University's service region. Certificate programs shall not be offered unless they are integral to associate or baccalaureate programs.

Strategic Directions/Program Priorities. Eastern Kentucky University shall: continue its tradition as an educator of classroom teachers and school administrators; support the needs of Kentucky's business community; respond to appropriate societal needs and public policy objectives; and respond to the region's technical education needs. These strategic directions translate into a core of liberal arts baccalaureate programs, in addition to degree programs at the certificate (C), associate (A), baccalaureate (B), master's (M), and specialist (S) levels that may include the following: — (relevant categories from the Classification of Instruction Programs by level are included in brackets) — agricultural business (A, B - 01); conservation and renewable natural resources (B - 03); marketing (B - 08); communications (B - 09); computer and information science (B - 11); education (A, B, M, S - 13); engineering technologies (A, B, M - 15); home economics (B, M - 19); vocational home economics (A - 20); legal studies (A, B - 22); English and literature (M - 23); liberal arts (B - 24); biological sciences (B, M - 26); mathematics (B, M - 27); parks, recreation, and leisure (B, M - 31); physical sciences (M - 40); psychology (M, S - 42); protective sciences (C, A, B, M - 43); public administration and services (B, M - 44); social sciences (M - 45); precision and production trades (A - 48); transportation (B - 49); fine arts (B, M - 50); health professions (C, A, B, M - 51); and business management (A, B, M - 52).

Enhancement of Instruction. The primary mission of the University shall be to provide its students instruction of the highest possible quality. The University shall utilize information obtained through its assessment program to enhance the quality of its instructional programs.

Public Service and Research Functions. The public service efforts of Eastern Kentucky University shall be designed to meet the needs of its service region and be related to its academic programs and capabilities. The continuing education requirements of the region's public school personnel and assistance in economic development should receive special emphasis. Research shall support the primary function of instruction, supplement the University's public service efforts, and advance knowledge in the subject matter areas with which the University is concerned. The University shall develop cooperative applied research and teaching programs using such resources as Maywoods, Lilley Cornett Woods, and Pilot Knob Sanctuary.

Collaborative Ventures. As a member of the Commonwealth's higher education system, it is incumbent on the University to cooperate with the other institutions, the Council on Higher Education, and other state and federal agencies in fulfilling the strategic for higher education in Kentucky. This shall include the appropriate and efficient use of telecommunications technology. Further, to the extent possible, the University should foster articulation between its programs and those of other institutions, both public and private, which emphasize the transfer of credits from other institutions toward degree completion.

Efficiency and Effectiveness. Eastern Kentucky University shall insure that its resources are expended in a manner consistent with its mission. This shall include the promotion of cost effectiveness in academic programming and institutional management. Strategic planning shall include both the identification of programs which are no longer responsive to societal needs or are unnecessarily duplicative of those of another institution and the development of carefully selected new programs compatible with this mission. Measures of quality and performance shall be integral to the University's assessment and accountability systems which promote continuous improvement of programs and services.

Institutional Goals

1. To be an effective comprehensive, public, residential university of the Commonwealth of Kentucky.
2. To provide academic programs of the highest possible quality and to enhance access to these programs. To these ends, the University strives:
   A. To employ and retain faculty with outstanding academic preparation and with a commitment to excellence in teaching and learning.
   B. To attract students of high academic promise to the University and to provide them with a challenging academic experience.
   C. To provide access to higher education for citizens of the Commonwealth through reasonably open admission policies to associate degree programs and selective admissions to baccalaureate degree programs, at a relatively low student cost with access to a program of financial assistance.
   D. To serve as a school of opportunity by providing, as a condition of admission and retention, a mandatory developmental program to allow under prepared students to rapidly attain the skills necessary for rigorous college-level courses.
   E. To incorporate the use of results from program assessment to continuously improve the instructional, research and service programs of the University.
3. To provide an environment for learning and individual development of the highest possible quality.
4. To maintain an adequate enrollment of out-of-state residents and foreign nationals to enrich the educational experience for all students while emphasizing the enrollment of Kentucky students.

3. To support the nondiscrimination policy of the Board of Regents and to meet or exceed the goals of the Commonwealth's plan for desegregation of higher education.
4. To provide intellectual and cultural opportunities which will develop habits of scholarship and intellectual curiosity, provide a deep understanding of American democracy and the citizen's role in maintaining its strength and vitality, impart an understanding of humans and their aspirations, enable effective and efficient communication, and prepare productive and responsible citizens. To these ends the University strives:
   A. To offer associate degree programs which are based on student interests and/or societal needs, which are integrated when appropriate with baccalaureate degree programs for individuals preparing themselves in a university setting, and which contain a general education component.
   B. To offer baccalaureate and pre-professional programs based on student interests and/or societal needs with a strong general educational program as a component of each degree program.
   C. To offer graduate programs based on student interests and/or societal needs which provide advanced study through instruction and research, strengthen the disciplines, and contribute to the total research and/or service efforts of the institution.
7. To provide for individuals and agencies those educational outreach, public service, and continuing education opportunities which are compatible with the University's mission and resources.
8. To support and encourage research as an important scholarly activity, recognizing its contribution to effective teaching and learning, its value to the knowledge of the disciplines, and its value to public service.
9. To manage and protect for posterity and to make available for instruction, research, and public use, selected natural areas that are unique or valuable for their biological, physical, and historical significance.
10. To provide for the University community and general public a center which promotes artistic and cultural awareness, scholarly pursuits, the free exchange of ideas, and critical thinking.
11. To provide support services which promote the development and well being of the members of the university community.
12. To be solvent and financially accountable to appropriate agencies.

Strategic Directions
1999/2003 Planning Cycle

- Improve the quality of teaching and learning and remain committed to providing educational opportunities of high quality and diversity among students, faculty and staff.
- Improve compensation and professional development opportunities to retain and attract high quality faculty and staff.
- Provide efficient and effective use of institutional resources, both material and personal, through policies designed to ensure timely and reasonable progress for all students toward completion of their degrees/programs.
- Improve academic services, including the library, equipment and support programs to enhance the quality of instruction.
- Improve the quality of advising for all students.
- Expand instructional and service outreach programs to support educational and economic development.
- Enhance institutional advancement and marketing to increase public awareness and support, while strengthening the institution's leadership role in fund raising activities and maintaining visibility with business and community leaders and public officials.
- Improve the quality of campus life to enhance student development.
- Enhance services and facilities to provide a supportive educational environment for the university community.
- Increase extramural funding to support academic excellence, public service activities, and research.
- Continue the refinement of the assessment and evaluation processes to measure institutional effectiveness, while incorporating the results into the planning process.
- Cooperate in any appropriate way toward fulfilling the objectives of Kentucky's postsecondary education reform effort.
- Utilize technology to improve teaching, learning, research, service and administrative processes.
- Enhance institutional effectiveness through sound leadership and management practices

PART 2

Student Support Services Information

Student Residency

Since registration and other fees and residence hall room rents are subject to change periodically, no attempt is made in this publication to itemize these costs. This information is available from the Division of Admissions prior to the beginning of each academic year.

The Kentucky Administrative Regulations relating to student residency appeals have recently been subject to proposed amendment by the Council on Postsecondary Education. As of the time of publication these amendments had received preliminary approval, but had not yet received final authority. The regulations, as proposed for amendment, are included herein. Those wishing to receive a copy of the final regulations should contact the University's Admissions Office.

13 KAR 2:045. Determination of residency status for admission and tuition assessment purposes.

RELATES TO: KRS Chapter 13B, 164.020, 164.030, 164A.330(9)
STATUTORY AUTHORITY: KRS 164.020(8)

NECESSITY, FUNCTION, AND CONFORMITY: KRS 164.020(8) requires the Council on Postsecondary Education to determine tuition and approve the minimum qualifications for admission to a state-supported postsecondary education institution and authorizes the Council to set different tuition amounts for residents of Kentucky and for nonresidents. This administrative regulation establishes the procedure and guidelines for determining the residency status of a student who is seeking admission to, or who is enrolled at, a state-supported postsecondary education institution.

Section 1. Definitions.

(1) "Academic term" means a division of the school year during which a course of studies is offered, and includes a semester, quarter, or single, consolidated summer term as defined by the institution.

(2) "Continuous enrollment" means enrollment in a state-supported postsecondary education institution at the same degree level for consecutive terms, excluding summer term, since the beginning of the period for which continuous enrollment is claimed unless a sequence of continuous enrollment is broken due to extenuating circumstances beyond the student's control, including serious personal illness or injury, or illness or death of a parent.

(3) "Degree level" means enrollment in a course or program which could result in the award of a.
   (a) Certificate, diploma or other program at an institution;
   (b) Baccalaureate degree or lower including enrollment in a course by a nondegree seeking postbaccalaureate student;
   (c) Graduate degree or graduate certification other than a first-professional degree in law, medicine, dentistry or "Pharm. D"; or
   (d) Professional degree in law, medicine, dentistry, or "Pharm. D".

(4) "Demonstration of Kentucky domicile and residency" means the presentation of documented information and evidence sufficient to prove by a preponderance of the evidence that a person is domiciled in Kentucky and is a resident of Kentucky.

(5) "Dependent person" means a person who cannot demonstrate financial independence from parents or persons other than a spouse and who does not meet the criteria established in Section 5 of this administrative regulation.

(6) "Determination of residency status" means the decision of a postsecondary education institution and a subsequent decision by the Council on Postsecondary Education including an administrative hearing, if appropriate, that results in the classification of a person as a Kentucky resident or as a nonresident for admission and tuition assessment purposes.

(7) "Domicile" means a person's true, fixed, and permanent home and is the place where the person intends to remain, and to which the person expects to return if absent without intending to establish a new domicile elsewhere.

(8) "Full-time employment" means continuous employment for at least forty-eight (48) weeks at an average of at least thirty (30) hours per week.

(9) "Independent person" means a person who demonstrates financial independence from parents or persons other than a spouse and who can meet the criteria established in Section 5 of this administrative regulation.

(10) "Institution means an entity defined in KRS 164.001(10) if the type of institution is not expressly stated.

(11) "Kentucky residency" or "Kentucky resident" means the result of a determination by an institution or by the Council on Postsecondary Education that a person is a resident of Kentucky for the purpose of tuition assessment and for the purpose of admission to that institution, if applicable.

(12) "Nonresident" means a person who is domiciled outside of Kentucky or who currently maintains legal residence outside Kentucky or who has not met the criteria for Kentucky residency established in this administrative regulation.

(13) "Preponderance of the evidence" means the greater weight of evidence, or evidence which is more credible and convincing to the mind.

(14) "Parent" means one (1) of the following.
   (a) A person's father or mother; or
   (b) A court-appointed legal guardian if:
      1. The guardianship is recognized by an appropriate court within the United States;
      2. There was a relinquishment of the rights of the parents, and
      3. The guardianship was not established primarily to confer Kentucky residency on the person.

(15) "Residence" or "residency" means the place of abode of a person and the place where the person is physically present most of the time for a noneducational purpose in accordance with Section 3 of this administrative regulation.

(16) "Sustenance" means living expenses including room, board, maintenance, transportation, and also may include educational expenses including tuition, fees, books, and supplies

Section 2. Scope.

(1) State-supported postsecondary education institutions were established and are maintained by the Commonwealth of Kentucky primarily for the benefit of qualified residents of Kentucky. The substantial commitment of public resources to postsecondary education is predicated on the proposition that the state benefits significantly from the existence of an educated citizenry. As a matter of policy, access to postsecondary education shall be provided so far as feasible at reasonable cost to an individual who is domiciled in Kentucky and who is a resident of Kentucky

(2) The Council on Postsecondary Education requires a student who is neither domiciled in nor a resident of Kentucky to meet higher admission standards and to pay a higher level of tuition than resident students.
(3) This administrative regulation applies to all student residency determinations regardless of circumstances, including the Southern Regional Education Board contract spaces, reciprocity agreements, where appropriate, and academic common market programs.

Section 3. Determination of Residency Status; General Rules.
(1) A determination of residency shall include:
  (a) An initial determination of residency status by an institution during the admission process or upon enrollment in an institution for a specific academic term or for admission into a specific academic program;
  (b) Each administrative and residency review committee determination made by an institution;
  (c) A reconsideration of a determination of residency status by an institution based upon a changed circumstance;
  (d) An intermediate review by the Appeals Officer of the Council on Postsecondary Education if requested by the student; and
  (e) An administrative hearing conducted in accordance with the provisions of KRS Chapter 13B and 13 KAR 2:070, if requested by the student.
(2) (a) An initial determination of residency status shall be based upon the facts in existence when the credentials established by an institution for admission for a specific academic term have been received and during the period of review by the institution;
  (b) An initial determination of residency status shall be based on:
    1. Information derived from admissions materials;
    2. Other materials required by an institution and which are consistent with this administrative regulation; or
    3. Other information available to the institution from any source.
(3) An individual seeking a determination of Kentucky residency status shall demonstrate that status by a preponderance of the evidence.
(4) A determination of residency status shall be based upon verifiable circumstances or actions.
(5) Evidence and information cited as the basis for Kentucky domicile and residency shall accompany the application for a determination of residency status.
(6) A student classified as a nonresident shall retain that status until the student is officially reclassified by an institution or the Council on Postsecondary Education, as appropriate.
(7) A student may apply for a review of a determination of residency status once for each academic term.
(8) If an institution has information that a student's residency status may be incorrect, the institution shall review and determine the student's correct residency status.
(9) If the Council on Postsecondary Education has information that an institution's determination of residency status for a student may be incorrect, it may require the institution to review the circumstances and report the results of that review.
(10) An institution shall impose a penalty or sanction against a student who gives incorrect or misleading information to an institutional official, including payment of nonresident tuition for each academic term for which resident tuition was assessed based on an improper determination of residency status. The penalty may also include:
  (a) Student discipline by the institution through a policy written and disseminated to students; or
  (b) Criminal prosecution.

Section 4. Presumptions Regarding Residency Status.
(1) In making a determination of residency status, it shall be presumed that a person is a nonresident if:
  (a) A person is, or seeks to be, an undergraduate student and whose admissions records show the student to be a graduate of an out-of-state high school;
  (b) A person's admission records indicate the student's residence to be outside of Kentucky at the time of application for admission;
  (c) A person moves to Kentucky primarily for the purpose of enrollment in an institution;
  (d) A person moves to Kentucky and within twelve (12) months enrolls in an institution of higher education more than half time; or
  (e) A person has a continuous absence of one (1) year from the state.
(2) A presumption arising from subsection (1) of this section shall be overcome by a demonstration of Kentucky domicile and residency.

Section 5. Determination of Whether a Student is Dependent or Independent.
(1) In a determination of residency status, an institution shall first determine whether a student is dependent or independent. This provision is predicated on the assumption that a dependent person lacks the financial ability to live independently of the person upon whom the student is dependent and therefore lacks the ability to form their requisite intent to establish domicile.
(2) In determining the dependent or independent status of a person, the following information shall be considered as well as other relevant information available at the time the determination is made:
  (a) 1. That the person has not been claimed as a dependent on the federal or state tax returns of a parent or other person for the year preceding the date of application for a determination of residency status; or
    2. That the person is no longer claimed by a parent or other person as a dependent or as an exemption for federal and state tax purposes; and
  (b) That the person has financial earnings and resources independent of both parents or a person other than an independent spouse necessary to provide for the person's own sustenance.
(3) An individual who enrolls in an institution immediately following graduation from high school and remains enrolled shall be presumed to be a dependent person unless the contrary is evident from the information submitted.
(4) Domicile may be inferred from the student's permanent address, parent's mailing address, or location of high school of graduation.
(5) Marriage to an independent person domiciled in and who is a resident of Kentucky shall be a factor considered by an institution in determining whether a student is dependent or independent.

(6) A gift from, made, or cosigned by a parent or family member other than an independent spouse, if used for sustenance of the student:
   (a) Shall not be considered in establishing a student as independent; and
   (b) Shall be a factor in establishing that a student is dependent.

Section 6. Effect of a Determination of Dependent or Independent Status on a Determination of Residency Status.

(1) The effect of a determination that a person is dependent shall be as follows:
   (a) The domicile and residency of a dependent person shall be the same as either parent. The domicile and residency of the parent shall be determined in the same manner as the domicile and residency of an independent person.
   (b) The domicile and residency of a dependent person whose parents are divorced, separated, or otherwise living apart shall be Kentucky if either parent is domiciled in and is a resident of Kentucky regardless of which parent has legal custody or is entitled to claim that person as a dependent pursuant to Kentucky income tax provisions.
   (c) 1. If the parent or parents of a dependent person are Kentucky residents and are domiciled in Kentucky but subsequently move from the state, the dependent person shall be considered a resident of Kentucky while in continuous enrollment at the degree level in which currently enrolled.
   2. If continuous enrollment is broken or the current degree level is completed, the dependent person's residency status shall be reassessed when the circumstances detailed in subparagraph 1 of this paragraph are present.

(2) If the sole parent or both parents of a dependent person moves out of state, Kentucky domicile and residency, having been previously established, shall be retained until steps are taken to establish domicile and residency elsewhere.

Section 7. Member of Armed Forces of the United States, Spouse and Dependents; Effect on a Determination of Residency Status.

(1) A member, spouse, or dependent of a member whose domicile and residency was Kentucky at the time of induction into the Armed Forces of the United States, and who maintains Kentucky as home of record and permanent address, shall be entitled to Kentucky residency status:
   (a) During the time of active service; or
   (b) If the member, spouse, or dependent returns to this state within six (6) months of the date of the member's discharge from active duty.

(2) (a) A member, spouse or dependent of a member of the Armed Forces of the United States stationed in Kentucky on active military orders shall be considered a Kentucky resident while the member is on active duty in this state pursuant to those orders if the member is not:
   1. Stationed in Kentucky for the purpose of enrollment at an institution; or
   2. On temporary assignment of less than one (1) year.
   (b) A member, spouse or dependent of a member, shall not lose Kentucky residency status if the member is thereafter transferred on military orders while the member, spouse or dependent requesting the status is in continuous enrollment at the degree level in which currently enrolled

(3) A person's residency status established pursuant to this section shall be reassessed if the qualifying condition is terminated.

Section 8. Status of Nonresident Aliens; Visas and Immigration.

(1) (a) A person holding a permanent residency visa or classified as a political refugee shall establish domicile and residency in the same manner as another person.
   (b) Time spent in Kentucky and progress made in fulfilling the conditions of domicile and residency prior to obtaining permanent residency status shall be considered in establishing Kentucky domicile and residency.

(2) A person holding a nonimmigrant visa with designation A, E, G, H, I, L, N, O, P, R, S, TD or TN shall establish domicile and residency the same as another person.

(3) (a) An independent person holding a nonimmigrant visa with designations B, C, D, F, J, K, M, or Q shall not be classified as a Kentucky resident, because that person does not have the capacity to remain in Kentucky indefinitely and therefore cannot form the requisite intent necessary to establish domicile within the meaning of this administrative regulation.
   (b) A dependent person holding a visa as described in paragraph (a) of this subsection, but who is a dependent of a parent holding a visa as described in subsection (2) of this section, shall be considered as holding the visa of the parent.
   (c) A dependent person holding a visa described in subsection (2) of this section or paragraph (a) of this subsection, if a parent is a citizen of the United States and is a resident of and domiciled in Kentucky, shall be a resident of Kentucky for the purposes of this administrative regulation.

Section 9. Beneficiaries of a Kentucky Educational Savings Plan Trust.

A beneficiary of a Kentucky Educational Savings Plan Trust shall be granted residency status if the beneficiary meets the requirements of KRS 164A.330(9).

Section 10. Criteria Used in a Determination of Residency Status.

(1) A determination of Kentucky domicile and residency shall be based upon verifiable circumstances or actions. A single fact shall not be paramount, and each situation shall be evaluated to identify those facts which are essential to the determination of domicile and residency.

(2) The following facts, although not conclusive, shall have probative value in their entirety and shall be individually weighted, appropriate to the facts and circumstances in each determination of residency;
   (a) Acceptance of an offer of full-time employment or transfer to an employer in Kentucky or contiguous area while maintaining residence and domicile in Kentucky;
   (b) Continuous physical presence in Kentucky while in a nonstudent status for the twelve (12) months immediately preceding the start of the academic term for which a classification of Kentucky residency is sought;
   (c) 1. Filing of Kentucky resident income tax return for the calendar year preceding the date of application for a change in residency status; or

2. Payment of Kentucky withholding taxes while employed during the calendar year for which a change in classification is sought;

(d) Full-time employment of at least one (1) year while living in Kentucky;

(e) Attendance as a full-time, nonresident student at an out-of-state institution based on a determination by that school that the person is a resident of Kentucky;

(f) Abandonment of a former domicile or residence and establishing domicile and residency in Kentucky with attendance at an institution following and incidental to the change in domicile and residency;

(g) Obtaining licensing or certification for a professional and occupational purpose in Kentucky;

(h) Payment of real property taxes in Kentucky;

(i) Ownership of real property in Kentucky, if the property was used by the student as a residence preceding the date of application for a determination of residency status;

(j) Long-term lease of at least twelve (12) consecutive months of noncollegiate housing;

(k) Marriage of an independent student to a Kentucky resident;

(l) Continued presence in Kentucky during academic breaks; and

(m) The extent to which a student is dependent on student financial aid in order to provide basic sustenance.

(3) Except as provided in subsection (4) of this section, the following facts, because of the ease and convenience in completing them, shall have limited probative value in a determination that a person is domiciled in and is a resident of Kentucky:

(a) Kentucky automobile registration;

(b) Kentucky driver's license; and

(c) Registration as a Kentucky voter.

(4) The absence of a fact contained in subsection (3) of this section shall have significant probative value in determining that a student is not domiciled in or is not a resident of Kentucky.

(5) Kentucky residency status shall not be conferred by the performance of an act which is incidental to fulfilling an educational purpose or by an act which is performed as a matter of convenience. Mere physical presence in Kentucky, including living with a relative or friend, shall not be sufficient evidence of domicile and residency.

Section 11. Effect of a Change in Circumstances on Residency Status.

(1) If a person becomes independent or if the residency status of a parent or parents of a dependent person changes, an institution shall reassess residency either upon a request by the student or a review initiated by an institution.

(2) Upon transfer to a Kentucky institution, a student's residency status shall be reassessed by the receiving institution.

(3) A reconsideration of a determination of residency status for a dependent person shall be subject to the provisions for continuous enrollment, if applicable.

Section 12. Institutional Requirements; Designation of Office and Officer and Publication of the Administrative Regulation.

(1) Each institution shall designate:

(a) A person or office at the institution with responsibility for a determination of residency status at that institution; and

(b) An administrative office or person with delegated day-to-day responsibility for administration of this administrative regulation.

(2) The designation of an administrative office or person pursuant to subsection (1) of this section shall be in writing setting forth the duties and responsibilities. A copy shall be provided to the Council on Postsecondary Education.

(3) Each institution shall establish an operational policy for the determination of residency status which shall be filed with the Council on Postsecondary Education and which shall include:

(a) Procedures describing the steps in the initial determination of residency status;

(b) Designated responsibilities of each institutional official;

(c) Responsibilities of a person requesting:

1. Admission to an institution or to an academic program; or

2. A change in residency status;

(d) Procedures for the operation of a residency review committee created pursuant to Section 13 of this administrative regulation;

(e) Timetables and deadlines for student and institutional responses to a request for a review of an institutional determination of residency status;

(f) Training of institutional officials responsible for a determination of residency status; and

(g) The role of the residency review committee.

(4) The administrative regulation shall be published in its entirety in all of each institution's catalogs and disseminated to each student.

(5) Copies of the administrative regulation shall be maintained in the office designated pursuant to subsection (1) of this section and shall be made available to each student requesting Council on Postsecondary Education review of an institution's initial determination, review or reconsideration of residency status.

Section 13. Establishment of a residency review committee by an Institution.

(1) Each institution shall establish a residency review committee, which shall be a standing committee, to review, evaluate, and act upon:

(a) A student appeal related to an initial determination of residency status;

(b) A recommendation of the administrative office or person designated pursuant to Section 12 of this administrative regulation, that the residency review committee review, evaluate, and act upon an initial determination of residency status; and

(c) A student request for a reconsideration of a residency classification because of a changed circumstance.

(2) The Kentucky Community and Technical College System may establish uniform operating policies and procedures for each branch within the system as defined in KRS 164.001(11) including a provision for separate institutional residency review committees.

(3) Membership on the residency review committee shall include at least one (1) faculty and one (1) student member.

(4) The policies and procedures of an institution's residency review committee shall be in writing and published for student use.

(5) A copy of the document authorizing and creating an institution's residency review committee, and a copy of the operating policies and procedures of the residency review committee shall be provided to the Council on Postsecondary Education.

Section 14. Student Responsibilities.

(1) A student shall register under the proper residency classification which includes the following actions:
   (a) Raising a question in a timely manner concerning residency classification;
   (b) Making application for change of residency classification in a timely manner with the designated office or person at the institution; and
   (c) Notifying the designated office or person at the institution immediately upon a change in residency.

(2) If a student fails to notify an institutional official of a change in residency, an institutional official may investigate and evaluate the student's current residency status.

(3) (a) If a student fails to provide, in a timely manner, information required by an institution in a determination of residency status or by the Council on Postsecondary Education in an appeal of a determination of residency status, the student shall be notified by the institution or by the Council on Postsecondary Education, as appropriate, that the review has been canceled and that a determination has been made.
   (b) Notification shall be made by registered mail, return receipt requested.
   (c) Notification shall be made within ten (10) calendar days after the deadline for receipt of materials has passed.

(4) A student shall not be entitled to appeal a determination of residency status if the determination made by an institution or by the Council on Postsecondary Education is made because a student has failed to meet published deadlines for the submission of information as set forth in subsection (3) of this section. A student may request a review of a determination of residency status in a subsequent academic term.

Section 15. Procedures for an Initial Determination of Residency Status, an Institutional Review of Residency Status and for a Reconsideration of a Determination of Residency Status.

(1) Application for a review of a determination of residency status shall be made to the administrative office or person designated by an institution pursuant to Section 12 of this administrative regulation.

(2) The application, with supporting documentation, shall be made by the student no later than thirty (30) calendar days after the first day of classes of the academic term for which a review of a determination of residency status is sought.

(3) An application shall consist of:
   (a) An affidavit authorized by the Council on Postsecondary Education and submitted by the student or the parent of a dependent student asserting the claim for a determination of residency status and asserting that the documentation and information are accurate and true; and
   (b) Information and documentation required by an institution and consistent with this administrative regulation which is necessary to substantiate a request for a change in a determination of residency status.

(4) (a) An application shall be first reviewed by the office or person designated by the institution pursuant to Section 12 of this administrative regulation.
   (b) If a student asks, in writing and in a manner set forth by the institution consistent with this administrative regulation, to appeal the decision of the designated office or person, the residency review committee shall review, evaluate, and act upon that appeal.
   (c) An application for a review of residency status which is not submitted in a timely manner shall result in a determination of residency status consistent with an initial determination of residency status.

(5) The decision of the designated office or person, or of the residency review Committee shall be set forth in a letter that includes:
   (a) Findings of fact;
   (b) Determination of whether the applicant is deemed to be a "dependent person" or "independent person";
   (c) Whether the applicant is a resident or nonresident, and the reasons consistent with institutional policy and this administrative regulation; and
   (d) A citation of the specific section of the administrative regulation that provided the basis for the institutional determination.

(6) If a student has requested an institutional review of a residency determination, the student shall be notified in writing, by registered or certified mail, of the decision of the administrative officer designated by the institution or the residency review committee, as appropriate, within forty-five (45) calendar days after receipt of a person's application for a change.

(7) A change in a determination of residency shall not be made retroactive beyond the academic term in which the request for a change is made.

(8) A student shall have the right to appeal a decision of the residency review committee to the Council on Postsecondary Education pursuant to Sections 16, 17, and 18 of this administrative regulation

(9) An institution shall, by written policy, establish deadlines for the submission of written documentation by a person seeking a review of an initial determination of residency status and shall not consider an appeal which does not conform to the timetable requirements for documentation and for the process established in the institution's operational policy.

Section 16. Procedure for Appeal to the Council on Postsecondary Education and Intermediate Review by the Council on Postsecondary Education Appeals Officer.

(1) The President of the Council on Postsecondary Education shall designate a person on the staff of the Council on Postsecondary Education to serve as an appeals officer.

(2) The appeals officer's review of an institutional determination of residency status shall be to determine whether the residency review committee's written decision was supported by a preponderance of evidence and whether the decision conforms to this administrative regulation.

(3) Upon receipt of notice from the residency review committee of an institution's decision by certified or registered mail, the student shall have fourteen (14) calendar days to appeal that decision to the Council on Postsecondary Education by giving notice in writing to the office or person designated by the institution to administer this administrative regulation.

(4) An appeal filed more than fourteen (14) calendar days after receipt of the decision of the residency review committee shall be dismissed and the decision of the residency review committee shall be final.

(5) The office or person designated by the institution pursuant to Section 12 of this administrative regulation shall be responsible for forwarding to the Council on Postsecondary Education a complete copy of the student's file within fourteen (14) calendar days of the receipt of a notice of appeal. The student may review the content of the file before it is forwarded to the Council on Postsecondary Education.

Section 17. Determination of the Council on Postsecondary Education Appeals Officer.

(1) Except as provided in subsection (2) of this section, the appeals officer shall make a determination, based solely on the written record submitted, to affirm or reverse the residency review committee's decision.

(2) The appeals officer may order the appeal remanded to the residency review committee for further proceedings before the appeals officer renders a final determination if the appeals officer determines that:
   (a) The residency review committee failed to consider all information and evidence submitted;
   (b) The residency review committee failed to follow institutional policies and procedures; or
   (c) The information provided by an institution does not support a determination of residency status.

(3) (a) New information provided by the student that was not available to the institution at the time of the institution's determination of residency status shall result in a decision by the appeals officer to remand the case to the residency review committee for further action.
   (b) A remand by the appeals officer shall require the residency review committee to reconsider the determination of residency status in light of the new information.
   (c) An institution shall notify a student in writing of additional information required and shall establish a deadline for the receipt of that information.
   (d) The residency review committee shall consider the new information or evidence and shall forward a written recommendation to the appeals officer within twenty-one (21) calendar days after receipt of the notice of remand.
   (e) A copy of the residency review committee recommendation shall be provided to the student.
   (f) A remand shall be part of the appeal to the Council on Postsecondary Education and shall not constitute a determination by the appeals officer.

(4) The determination of the appeals officer shall be in writing and shall state the reason for the decision.

(5) (a) Except as provided in paragraph (b) of this subsection, within twenty-one (21) calendar days after receipt of the student's file, the recommendation of the appeals officer shall be forwarded to the student by certified or registered mail with a copy to the office or person designated by the institution to administer this administrative regulation.
   (b) If the appeals officer remands an appeal under subsection (2) of this section, the twenty-one (21) days shall not include the time the order was made until the time the residency review committee's written recommendation was received by the appeals officer.

(6) The student shall have ten (10) calendar days after receipt of the appeals officer's recommendation to file a written appeal by registered or certified mail with the Council on Postsecondary Education requesting a formal adjudicatory hearing pursuant to KRS Chapter 13B and 13 KAR 2:070.

Section 18. Administrative Hearing to be Held If Requested by Student.

(1) An administrative hearing on a request for a change in a determination shall be held in accordance with the provisions of KRS Chapter 13B and 13 KAR 2:070.

(2) The recommended order shall be received by the President of the Council on Postsecondary Education who shall issue a final decision on the appeal.
   (a) The decision of the president shall be in writing and in accordance with KRS 13B.120.
   (b) The decision of the president shall be provided to the student and the institution within twenty-one (21) calendar days after receipt of the hearing officer's decision.

(3) Upon receipt of the notification of the final decision of the president, the student shall have the right to appeal the decision to the appropriate court in accordance with KRS 13B.140.

Section 19. Charges to Institutions for Administrative Hearings. The Council on Postsecondary Education, upon receipt of a bill for the conduct of an administrative hearing on an appeal of a determination of residency status, shall assign one-half (1/2) of the cost of the administrative hearing to the institution from which the appeal is taken. An institution shall provide payment to the Council on Postsecondary Education or to the office or administrative entity so designated by the Council on Postsecondary Education within thirty (30) calendar days of receipt of the notice of payment. (17 Ky.R. 2557; eff. 4-5-91; Am. 22 Ky.R. 1656; 1988; eff. 5-16-96; 23 Ky.R. 3380; 3797; 4099; eff. 6-16-97; 24 Ky.R. 2136; 2705; 25 Ky.R. 51; eff. 7-13-98.)

Cooperative Education

Cooperative Education provides the student with an opportunity to blend theory with practice resulting in a balanced education. Learning within the classroom is combined with practical on-the-job training in business, industry, and/or government.

Eligibility to participate in cooperative education is determined by the faculty coordinator in the department of the student's major. Prior to enrolling in cooperative education, students should normally have completed 30 semester hours of credit. Transfer students should have completed one semester at Eastern before applying for cooperative education. All students must have at least a 2.0 grade point average when applying for cooperative education.

Acceptance of a co-op position for academic credit is contingent upon a suitable training plan through an agreement with the employer.

The amount of credit a student may earn is determined by the academic college or department involved. The University requires a minimum of 80 hours of employment for each semester hour of academic credit. The salary for each position must fall within State and Federal wage guidelines.

Academic credit will be awarded for cooperative education only when the student is enrolled in the University and in the cooperative education program. A maximum of eight semester hours may be applied toward meeting graduation requirements

for the associate degree, and a total of sixteen hours toward the bachelor's degree. Cooperative education credit for students pursuing a second undergraduate degree will be determined by the academic department. Total credit hours for a graduate degree are determined by the department involved.

The student will be assigned a supervisor by the employer to provide directions and coordination on the job. The supervisor will also be responsible for providing periodic and final evaluation reports on the student and forwarding this information to the co-op director. Copies of these reports will be forwarded to the faculty coordinator.

Although the supervisor will appraise the performance of each student, the grade will be assigned by the department in accordance with established criteria and through a comprehensive evaluation.

To maximize the benefit to the student, it is assumed that the employer will make every attempt to provide the student with a broad exposure to experiences related to the student's goals and the nature of the training site. The student should, however, realize that he/she is a full-time or part-time productive employee. The participating employer, the student, and the University will each sign a letter of agreement spelling out the duties and responsibilities of each party.

The student will in most instances return to the same location for each cooperative education experience. A student may, however, occasionally be allowed to work for several employers in varying situations as long as the work experience is related to the student's career goals and those of the program. For additional information, contact the Director of Cooperative Education at (606) 622-1296, or check out the Co-op Website at www.coop.eku.edu.

Education Pay$ Center

The Education Pay$ Center is funded by the Kentucky Department of Education to assist qualifying students to develop academic skills, explore careers, and acquire job skills. The project designs services to meet the individual needs of its participants, including tutoring and mentoring experiences. There is a heavy emphasis on developing work skills. The Education Pay$ Center's main office is Begley 603; phone (606) 622-6684.

Honors Program

The Honors Program seeks to provide intellectually stimulating courses within the general education program for students with excellent academic backgrounds and/or exceptional potential for superior performance in college. The 28 hours of courses that make up the Honors Program all meet requirements of the University's four-year programs. That is to say, regardless of the student's major, the courses taken in the Honors Program will apply to the general education requirements for that major. Thus, honors students complete the program without taking courses beyond those they would take were they not in the Honors Program. Honors course work is in fields such as rhetoric, humanities, social science, and natural science. Any student who successfully completes the full 28 hours of course work in the Honors Program and graduates with a cumulative grade point average of at least 3.0 will qualify as an "Honors Scholar." The University will recognize this achievement at commencement, on the academic transcript, and on the student's diploma, where the phrase "Honors Scholar" will appear.

Advantages to participants of the Honors Program include opportunities to experience an innovative curriculum developed by first-rate instructors in the context of small group sessions. Small classes will allow abundant opportunities for dialogue with the instructors and with the other honors students. From such experiences honors students should further develop their communication skills, problem solving abilities, and analytic reasoning abilities. Development of these skills and abilities should make students especially attractive to employers when they seek to enter the job market or graduate and professional schools, should they choose to further their education beyond the four-year degree.

The criteria for selection to the Honors Program are a high school cumulative grade point average of at least 3.5 on a 4.0 scale, completion of the Kentucky pre-college curriculum or equivalent, and a composite score on the American College Test (ACT) of at least 26 with no individual subject score below 21. Students who do not meet these criteria may request consideration for admission by writing a letter to the director which should include specific and detailed reasons why the student believes that he/she should be admitted to the Honors Program. Students who are national merit semifinalists or finalists are automatically eligible for the Honors Program. Additional information can be obtained from the director by calling (606) 622-1403.

Special Programs for Disadvantaged Students (TRIO)

The following programs are made possible through special grants to Eastern Kentucky University from the United States Department of Education:

Educational Talent Search Program

The Educational Talent Search Program is funded by the United States Department of Education. The goal of the program is to assist participants from designated Central Kentucky counties to continue in, and graduate from, secondary schools and to then enroll in post-secondary educational programs. Educational Talent Search assists students who want to attend post-secondary institutions by offering such services as career counseling, educational counseling, and financial aid information and assistance. Educational Talent Search also offers assistance to participants with special needs by identifying support services for those students. The Educational Talent Search Program offers assistance to high school dropouts through referrals to GED programs and local high schools. Post-secondary drop-outs can also receive program services. All services are free of charge. For more detailed information, contact the Educational Talent Search Program, 521 Lancaster Avenue, 605 Begley Building, Richmond, Kentucky 40475-3102; phone (606) 622-5425.

Student Support Services Program

The Student Support Services Program is a federally funded project whose legislative purpose is to aid in the retention and graduation of students with academic deficiencies and who meet the eligibility requirements of the program. The project pre-identifies incoming freshmen for participation in the program. Participants are enrolled in a restricted Freshman Orientation class their first semester and receive a wide range of support services including: individual peer tutoring, peer mentoring, personal needs assessment and counseling, career counseling, cultural activities, academic advising, and appropriate referral services. The project is located in the Turley House, second and third floors, and is open from 8:00-4:30 Monday through Friday.

Upward Bound Program

The Upward Bound Program has been at Eastern Kentucky University since 1965. The program selects students with college potential in order to improve their academic skills and provide them with the motivation necessary to succeed in college. Students are chosen from ten high schools in the nine counties of Casey, Estill, Garrard, Jackson, Lee, Lincoln, Madison, Powell, and Wolfe. To be eligible, students must be first generation (neither parent can have a college degree) or their family income must meet federal guidelines. Students start the three year program during their sophomore and junior years of high school. Tutoring sessions and on-campus meetings are held during the school year to provide academic assistance as well as financial aid and college admission information. During the summer, a six week residential program includes academic classes, cultural and educational trips, plus social and recreational activities. Tutor advisors (college students) are employed to live in the residence halls with the students to assist them individually with their studies and other program activities. Interested students from the above counties should contact their high school guidance counselor or write to the Director, Upward Bound Program, Eastern Kentucky University, 500 Begley Building, 521 Lancaster Avenue, Richmond, Kentucky, 40475-3102, or call (606) 622-1080. E-mail: upbburkh@acs.eku.edu.

Speech-Language-Hearing Clinic

The Communication Disorders Program in the Department of Special Education offers services to students, faculty, staff, and to members of the community at the Speech-Language-Hearing Clinic in Wallace 278.

Diagnostic and clinical treatment services provided by the Speech-Language-Hearing Clinic include the following:

1. Screening for speech, language, and hearing problems.
2. Assessment and treatment of articulation disorders, phonological delays, delayed or disordered language, stuttering, voice disorders including laryngectomy, speech and language problems resulting from stroke or head injury, language disorders related to learning disabilities, and speech and language problems of individuals in areas of exceptionality such as mental retardation, cerebral palsy, cleft palate, hearing impairment, and emotional/behavioral disorders.
3. Identification of hearing impairment by pure tone and speech stimuli or special diagnostic testing as needed; remediation of the communication problem through aural rehabilitation, including auditory training, speech reading, and adjustment to hearing aid use.
4. Speech improvement for speakers of English as a second language and those desiring Standard English skills.

Interdisciplinary Minor in Women's Studies

Women's Studies is a rapidly growing interdisciplinary field established in the 1970's. The purpose of Women's Studies is to recognize and validate the experiences and contributions of women and to bring women more fully into the college curriculum. To that end a primary focus of Women's Studies courses is on the roles, contributions, and experiences of women. Students learn to identify and analyze gender-based assumptions and biases and to recognize their consequences on individual, social and cultural levels. Courses introduce recent scholarship about women and issues especially related to women's concerns, and where possible, use works by women scholars.

A student may complete an Interdisciplinary Women's Studies minor by taking 18 hours as indicated below. Required courses include the following six hours: WMS 201, Introduction to Women's Studies and WMS 400, Feminist Theory and Practice. An additional 12 hours of electives shall be selected from the courses listed below. To ensure the interdisciplinary nature of the minor, courses shall be selected from at least two different colleges.

An additional 12 hours of electives shall be selected from the courses listed below. To ensure the interdisciplinary nature of the minor, courses shall be selected from at least two different colleges.

ADM 310, ANT 435 (Topic: India), ANT/SOC 399, CDF 132, CDF 232 or HEA 592; CDF 331, COR 305, CRJ 345, ENG 301 (Topic: Women, Writing, and the Internet), ENG 340, ENG 535, ENG 540 (Topic: Women in Detective Fiction), ENG 550 (Topic: Scribbling Women), ENG 570 (Topic: Jane Austin and Charlotte Bronte), HEA 591, HIS 303, MAS 300, NAT 310, CRJ 345, PSY 397 (Topic: Cultural Diversity), PSY 420, SPE 400, WMS 349, WMS 495.

Note: The topics listed for ANT 435, ENG 301, ENG 540, ENG 550, ENG 570, NAT 310, and PSY 397 are examples of specific classes approved for the Women's Studies minor. Other topics may be approved for the minor as they are offered. Average GPA of courses applied to minor must be 2.25 or better.

The Kentucky Commonwealth Virtual University (KCVU)

Background

The Kentucky Commonwealth Virtual University (KCVU), created with passage of the Kentucky Postsecondary Education Improvement Act of 1997, will play a critical role in creating a postsecondary education system that is accessible, efficient, and responsive to the needs of Kentucky's citizens. The KCVU is not a freestanding, separately accredited degree-granting institution. The KCVU will serve as a mechanism for universities and colleges to offer courses and degree programs

at a distance. The Council on Postsecondary Education is responsible for establishing KCVU policies in consultation with Kentucky's postsecondary education institutions.

It is anticipated that the KCVU will greatly increase access to higher education opportunities in the state. Courses and programs will be offered using a variety of technologies, such as satellite, interactive TV, and online (i.e., via the Internet). Students will be able to take courses from their homes, local libraries, and other facilities that have the appropriate technology to receive the instruction. Access to a wide variety of resource materials will be available through Kentucky Commonwealth Virtual Library (KCVL).

KCVU Mission and Purpose

The mission of the KCVU is to be a student-centered, technology-based system for coordinating the delivery of postsecondary education that meets the needs of citizens and employers across the Commonwealth. The KCVU shall consist initially of three primary components: 1) a *clearinghouse* for quality distance learning opportunities provided by existing institutions both within and outside the state, primarily certificate and degree programs; 2) *competency-based credentialing*; and 3) a single point of access to *statewide student, library, and academic support services*.

The purpose of the KCVU is to:

- Enhance and expand educational access and increase educational attainment across Kentucky.
- Upgrade workforce skills and expand professional development through basic and continuing education.
- Increase collaboration and foster efficiency and effectiveness in delivering courses and programs.
- Enhance educational quality.
- Increase global competitiveness of Kentucky's educational resources.

Clients

The KCVU will primarily serve the following clients:

- Adult students
- Place-bound and time-bound students
- Employers and employees in business, industry, and government
- P-12 students, teachers, and administrators
- Traditional residential students
- Students living in other states and countries

EKU and the KCVU

EKU is a full participant with the KCVU. The first courses and degree programs will be offered through the KCVU beginning in Fall 1999, and EKU will participate with other institutions in the state to offer two pilot programs: a Master's Degree in Speech-Language Pathology and a Firefighter Certification program. Additional courses and programs will be offered in the future and will be listed in the EKU class schedule bulletin. For additional information see the KCVU home page at www.kcvu.org.

Food Service

The University operates several pleasant, air-conditioned dining facilities on the campus. All have been remodeled since 1993. Students have a wide choice of options to meet their dining needs: Martin Dining Hall and the Top Floor Southside, Powell Cafeteria offer the new CLUB EASTERN membership program with low-cost, all-you-can-eat meals. At "Quackers-on-the-Pond" in the Stratton Building, the Fountain Food Court (with 9 food shops) and the Top Floor Cafeteria in the Powell University Center, food may be purchased with cash or the popular "Colonel Card" student ID card Debit Account option. EKU Food Services serves more than 1,300,000 meals annually and has won three major national awards for its food and one for its "EcoWatch" environmental protection program.

Office of Financial Affairs and Treasurer

The Office of Financial Affairs and Treasurer coordinates the following areas of University operations: 1) accounts and budgetary control, 2) billings and collections, 3) human resources, 4) internal audits, 5) purchases and stores, 6) university farms, and 7) printing and mail services.

Students may view the mission statement of each of the above areas by visiting the Office of Financial Affairs and Treasurer web page www.financialaffairs.eku.edu.

Office of Student Affairs

The Office of Student Affairs coordinates the following areas of University operations: 1) orientation of freshmen and transfer students, 2) physical and mental health of students, 3) coordination of student activities and organizations, 4) housing assignments, 5) maintenance of certain personnel records, 6) counseling center, 7) implementation of the student rights and responsibilities polices, 8) social programs, 9) veterans affairs, and 10) career services.

Students may participate in a wide variety of leadership programs to aid in becoming responsible citizens of communities, citizens of a democracy, and professional people. Immediate emphasis is directed toward those activities which assist students in attaining maximum personal, social, and academic growth in a stimulating environment.

Career Services

(WWW.career. eku.edu)

Career Services assists all students and alumni who are seeking employment and/or clarifying their career direction.

For students who have a tentative career direction or major in mind, the division can help by providing information on: careers available in that field, employment of past graduates, career paths, supply and demand, salaries, and potential employers. SIGI Plus, a computerized career planning tool, is available to help students explore their interests and provide information on selected occupations.

To help students who are entering the employment market (full-time, part-time, or summer), Career Services offers seminars and individual assistance on job search skills. This includes the development of a job campaign strategy,

preparation of the resume and job campaign correspondence, and the improvement of interview skills.

Thousands of jobs are listed in the division, through employer contacts, job vacancy bulletins from other universities, job listing services, and various other sources. Job listings are posted on-line at www.career.eku.edu. Multiple resources are available for researching potential employers. Information about part-time, off-campus employment, summer jobs, and internships is also available. Students and alumni may participate in a state-of-the-art computerized resume referral system.

On-campus interviews are conducted throughout the year to provide job opportunities with participating employers.

Information on activities is available through the homepage, the FYI, via Career Services TV on campus channel 6, departmental bulletin board, and other campus media.

Counseling Center

The University Counseling Center offers services designed to enhance the emotional development of students so they can achieve maximum benefit from their educational experience.

Psychologists and counselors provide individual counseling to assist students in personal and social development. When appropriate, psychological testing may be used to facilitate student self-understanding and realistic goal setting. Career counseling in groups for academic credit (GCS 199) is available each semester for students who are dissatisfied with or undecided about their career goals. A one-hour course entitled "Interpersonal Effectiveness Seminar" (GCS 198) is offered for the development of self-confidence and effective communication skills. In addition, psychiatric referral is available through the Center.

The counselor-student relationship is considered confidential and is carefully protected.

Students may make an appointment by calling or dropping by the Center or through referral from faculty, advisors, and friends.

Entitlements

The **VETERANS PROGRAM** at Eastern Kentucky University is approved by the Kentucky Approving Agency for Veterans Education for the education of veterans and their eligible dependents. Students concerned with veterans training should have, at the time of registration, a certificate of eligibility. This is secured from the regional office of the Veterans Administration. The University is responsible for the completion of certain Veterans Administration forms and the other necessary information about students who receive this aid.

If you have completed courses while in the armed forces, ask the Registrar about the possibility of receiving credit for such courses.

VETERANS ADMINISTRATION BENEFITS. War orphans, widows, children and wives of deceased and disabled veterans should contact the Veterans Administration, 600 Federal Place, Louisville, Kentucky. Application forms are available in the E.K.U. Office of Veterans Affairs. Veterans wishing to receive advance payments should notify the E.K.U. Office of Veterans Affairs at least 30 days prior to the beginning date of classes. For information concerning tutorial assistance or refresher courses, contact the Office of Veterans Affairs at Eastern Kentucky University.

VOCATIONAL REHABILITATION. This program offers assistance for students with physical disabilities of various kinds. The telephone number is (502) 564-7172 or toll free - 1-800-372-7172. For more information about eligibility criteria call the Department of Voc Rehab at (502) 564-7172.

Family Housing

The University provides a limited number of family housing units on a first come first serve basis. Types of rentals include, mobile homes, 144 one bedroom apartments, 32 two bedroom duplexes, and a limited number of older houses. Requests for family housing information, brochures, and rates should be made to Family Housing, Gentry Building, (606-622-1520). All units require a $100.00 deposit at move-in and prorated rent.

Living Accommodations

Eastern Kentucky University maintains a number of residence halls. All single, full-time, undergraduate students under 21 years of age, are required to live in university residence hall facilities. Exception is made for students residing with their parent(s) in the parents' (parent's) principal residence within 50 miles of the Richmond campus as determined by an official state map. Full-time students must be 21 years of age prior to the first day of classes of any given semester to live off campus for that semester. Students failing to meet this requirement will be assessed the lowest price residence hall fee.

An additional Commuter Information form must be completed at EKU Housing to request the exception. Falsification of information subjects the student to applicable fees and/or disciplinary procedures.

The first step to apply for a room is to be admitted to the University. To receive a Housing Application check item number 24 on the Application of Undergraduate Admission, page 16, or contact the EKU Office of Admission. Second, you will need to complete the housing application/contract and forward the completed document along with the $100 room reservation/damage deposit to: Office of Financial Affairs, Division of Billings and Collections, CPO 16A, 3 Coates Building, Eastern Kentucky University, 521 Lancaster Avenue, Richmond, KY 40475-3102.

Residence Hall housing applications and deposits should not be submitted until applicants have been notified of academic admission to the University. The student must occupy the assigned space by 5 p.m. on the day prior to the first day of classes or the assigned space will be released and the reservation/damage deposit will be forfeited. Exceptions are made for students who notify the Area/Assistant Area Coordinator of their intention to occupy the assigned space as a late arrival. The student must call the assigned residence hall for Senior Staff on duty; state the name, social security number, expected date and time of arrival.

Room rent is paid by the semester and is due and payable in compliance with the billing policy.

Refund Policy

Students who find it necessary to leave the university under any circumstances must visit the Office of the Registrar, and secure an official withdrawal card. Written clearance through appropriate channels constitutes completion. No refund can be made on certain class fees and optional fees as established by the Eastern Kentucky University Board of Regents. The following is the time elapsed and the portion of fees that can be refunded:

A week prior to the first day of classes *Less an administrative fee that does not exceed the lesser of $100 or 5% of the tuition.	100%
Between the end of the 100% refund and the end of the first 10% in time	90%
Between the end of the 90% refund and the end of the first 25% in time	50%
Between the end of the 50% refund and the end of the first 50% in time	25%

There is no wrap-up registration for intersession. (**Subject to change**)

The percentage of refunds shall apply only to registration and class fees, board plan charges, and room rentals. In no case shall a refund of rent be made to a person who remains a student but moves from University housing at his or her convenience.

An appeals process exists for students and/or parent(s) of students who feel that individual circumstances warrant exceptions from published policy. Request for an appeal should be addressed to the Vice President for Student Affairs.

Refunds for reduction in course load for part-time students will be at the same percentage rate as for students who officially withdraw from the University; however, if the reduction in course load results from the cancellation of a class or from the student having been permitted to enroll for a class for which he or she was not eligible, a full refund will be made of the registration fee for the course being dropped.

Student Financial Obligations

Any student or former student who is indebted to the University and who fails to make satisfactory settlement within a time limit prescribed is liable for administrative action. Students who are indebted to the University may not register at the University nor will their transcript be released until the debt is paid. Any student indebted to the University who cannot meet his/her financial obligations within the time limit prescribed is responsible for calling on the Director of Billings and Collections and explaining the reasons for failure to pay. Short extensions may be granted for good and sufficient reasons.

Student Health Services

The Student Health Services (SHS) offers primary medical care to full-time students of the University. Services are available by appointment from 8:00 a.m. to 5:00 p.m., Monday through Friday. Health care includes most laboratory services connected with the care provided. X-rays are obtained at nearby Pattie A. Clay Hospital where customary fees are charged to the patient. Most medical prescriptions are dispensed without charge to the student.

The facility has an observation room with two beds for the evaluation and care of acute medical problems. Students with illness requiring hospitalization will be referred to Pattie A. Clay Hospital, or if possible, to their family physicians for hospitalization in their home community.

All new students must fill out a medical history form at the time of the first SHS visit. This becomes part of the student's health records which are kept confidential at the SHS and are necessary to provide the proper medical care for students seen at the facility.

Student Organizations and Activities

In addition to its academic programs, the University provides many services and activities that promote mental/physical health and social/academic well-being. The provision of a meaningful life experience for the student is the goal of the faculty and staff.

Student organizations, societies, and clubs form an intrinsic part of a program that provides academic, social, and religious experiences at Eastern. Student organizations offer varied activities to encompass the interests of all students. The 165+ student organizations fall into the following categories: honor societies, departmental organizations, religious groups, activity and special interest organizations, social sororities and fraternities, and service organizations.

The changing nature of the University precludes a complete listing of all organizations and activities that are available during the year. Students will find this information in the **University Handbook for Students**, and it is also available at the Office of Student Development, Powell Building, Room 128.

The Alumni Association

The Eastern Kentucky University National Alumni Association serves as a vital link between the University and its graduates by maintaining records, communicating, and sponsoring programs and activities designed to enhance this relationship.

All Eastern Kentucky University degree recipients are automatically members of the National Alumni Association. Those graduates who make annual gifts are classified as "active," while other members are carried as "inactive". Associate memberships for non-degree individuals with an interest in the University are also available.

Alumni activities and programs are normally made available to active members of the Association. Two major activities are planned annually for all members, however. Homecoming, held each fall, and Alumni Day, held the last Saturday in April, brings back the 70-, 60-, 50-, 40-, 30-, 25-, 20- and 10-year classes and annually honors an Outstanding Alumnus and inducts alumni into the Hall of Distinguished Alumni.

Other regular Association activities and programs include maintaining alumni chapters in four states and Washington, D.C.; offering alumni tours at reduced fares; publishing the EKU Today three times per year; arranging receptions or similar activities in conjunction with special University events; and sponsoring the Alumni Scholarship program.

The Association's flexibility also allows occasional offerings of goods and services, such as the Alumni Directory and print sales, which keep alumni involved with the University and each other.

Intramural Programs

The University offers a varied athletic and recreational program for all students. It consists of extensive intercollegiate, intramural, specialized club, and recreational activities.

The University offers 16 varsity sports within the Division of Intercollegiate Athletics. EKU is a member of the National Collegiate Athletic Association and Ohio Valley Conference and competes at the Division I level.

Athletic teams play schedules representing major regional institutions in addition to regular conference competition and advance to national tournaments when they qualify.

Intercollegiate competition is sponsored for men in baseball, basketball, football, golf, tennis, cross country, and track and field; for women, in basketball, cross-country, golf, softball, tennis, track and field, and volleyball.

The Division of Intramural Programs offers the university community a full range of recreational sports activities including: competitive team sports, dual and individual sports, informal recreation, club sports, special events, outdoor trips, and outdoor equipment rentals. The division conducts programs at three indoor facilities and at the McDonough Intramural Fields.

The Chapel of Meditation

The Chapel of Meditation is non-denominational and is open to students, faculty, staff, alumni, and friends of the University for meditation, prayer, and spiritual reflection. The Chapel is used for weddings, memorial services, and for special services by the various religious organizations and student groups. The University Chaplain's office is located in the basement of the Chapel. The Chaplain is available to perform weddings. The Chaplain coordinates the various activities of the Chapel.

Entertainment and Cultural Events

Through its fine arts departments and the University Center Board (UCB), Eastern provides a wide variety of entertainment and cultural events. The UCB sponsors lectures, popular entertainers, fine arts performances, and campus movie schedule for the university community; while many events are free of charge to faculty and students, others require only a nominal admission fee.

The Department of Art provides a variety of exhibitions in the Giles Gallery (Jane F. Campbell Building). These include exhibitions by international and regional artists, students, faculty, and thematic exhibitions. Admission is free. Gallery lectures are also frequently provided for the public.

The Department of Music usually produces about 80 faculty, student, and visiting recitals, concerts, and ensemble performances during an academic year. All are open to the public and admission is usually free.

The Department of Speech Communication and Theatre Arts provides at least four productions each academic year including recent Broadway plays and musical theatre. Occasionally, student directed performances are also presented. Modest admission fees are charged.

Many other cultural activities are offered by the university's annual culture festival and by academic departments and clubs.

Libraries

The Libraries contain over 875,000 volumes and more than one million items in microformat. The book and materials collection support all curriculum areas and is particularly strong in the social sciences and humanities, business, education, allied health, law and law enforcement, and music. Special facilities for the blind or visually impaired are available. Library services and facilities are also available at EKU's off-campus centers.

In addition to supporting instructional needs, the Libraries provide research and recreational reading/informational support to the academic community. For specific information about the many library services available, please visit your library.

Office of Multicultural Student Services

The Office of Multicultural Student Services provides program and services which enhance the retention and recruitment of ethnically under represented American students, faculty and staff. Various services are provided through the office which include cultural and educational programs that stress to students the importance of their heritage. The office coordinates programs which encourage the exchange of information regarding cultural diversity and unification. The Office of Multicultural Student Services also serves as a liaison for the institution to assist students, faculty, and staff in the resolution of race related issues in their roles as members of the University Community.

Social Activities

The University Center Board arranges a variety of social activities for the benefit of Eastern's students. Such activities as movies, dances, concerts, and parties are planned for the students' enjoyment. The school calendar lists all approved social activities. The Office of Student Development coordinates the activities on-campus. Students have the opportunity to participate in a variety of leisure time activities.

Student Automobiles

In order to facilitate parking for all students, faculty, and staff, Eastern Kentucky University requires the registration of motor vehicles utilizing campus parking facilities. Vehicle registration information can be obtained by contacting the Division of Public Safety or is available at the class registration site.

During registration periods, prior to the first day of classes, students registering for classes may park in any legal, non-reserved parking space in all areas, except employee parking (Zone E) which is marked by yellow signs.

After the commencement of classes, residence hall lots (Zone B) which are marked by blue signs, are restricted to residence hall residents 24-hours per day, seven days a week.

Enforcement of employee and commuter parking zone regulations begins each school day at 2:00 a.m. After 5:00 p.m. registered commuters may park in employee (Zone E) parking. The Case Lot and a section of the Martin Lot are exceptions to this rule and are reserved for employees only until 9:00 p.m. After 9:00 p.m., parking zone restrictions are not enforced in non-residence hall lots.

Visitors may obtain temporary permits from the Division of Public Safety located in the Brewer Building. Metered parking is also provided around residence halls for loading and unloading.

Student Identification Card

When a full-time student registers at Eastern, the student is given a combination identification-activity card bearing the student's photograph, student identification number, and signature.

Students must carry their I.D. cards at all times and produce them when requested by members of the University staff. The cards are used when drawing books from the library, cashing checks, and at University activities. Students are liable for disciplinary action for misuse of I.D. cards.

A fee will be charged for replacement if an activity card is lost. The loss of a card must be reported immediately to the Office of Student Development, Powell Building, Room 128.

Student Publications

Eastern Kentucky University provides a variety of laboratory experiences through student publications. The Student Publications Board and the Eastern Progress Advisory Board have been established to provide appropriate institutional and professional involvement in these activities. Academic and support units coordinate the institutional support of these publications, but do not govern the content. The courts have consistently held that where a tradition of student decision making exists in student publications, those publications are afforded Constitutional First Amendment protection as other publications. Concomitant with those rights, go certain responsibilities, which also accrue to the student publications. Accordingly, the responsibility for the content of the publications is that of the student editors and writers, and not Eastern Kentucky University or its Board of Regents.

The Milestone is the University yearbook. It contains photographs and narrative of events of the University year. It is published annually and distributed in mid-September of the following year.

The Eastern Progress, a 10,000 circulation weekly newspaper, is the official student publication of the University, and all students are encouraged to take advantage of the journalism and advertising training offered by the Progress. The Progress has consistently been rated as an All American Newspaper by Associated Collegiate Press and a Medalist paper by the Columbia Scholastic Press Association. **Since 1987 the paper has received the national Pacemaker award three times and a Gold Crown or Silver Crown award four times, ranking it as one of the outstanding college newspapers in the country. In 1998 the Society of Professional Journalists recognized it as the Best All-Around Non-Daily Campus Newspaper. The Progress also maintains a website at <www.progress.eku.edu>.**

Aurora is a magazine of student writings published by its student staff to encourage interest in literary activity. Aurora accepts poems, one-act plays, short stories, prose sketches, and essays from any Eastern student. Cash prizes are awarded for the best works at the time of the spring publication.

"E-MAIL" is a weekly newsletter produced by the Division of Public Relations and Marketing as a service for the University community. "E-MAIL" focuses on events for the coming week on campus. Weekly printings are distributed to all residence halls, faculty offices, and public buildings on the EKU campus.

Services for Students with Disabilities

The purpose of the Office of Services for Students with Disabilities is to assist students with disabilities as well as to assure program access and support in attaining their educational goals. Located in the Turley House, Room 101, the Office provides a variety of services. Services that are offered determined are on an individual basis and may include, but are not limited to: note takers, interpreters, tutors, books on tape, equipment loan, student advocacy, building accessibility information, test accommodations, and handicap parking permits.

Services for students with disabilities are made available in accordance with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act (ADA). The Director of the Office is the Section 504 and ADA Coordinator for the University. For more information, please contact the Office of Services for Students with Disabilities.

Provisions of the Family Educational Rights and Privacy Act of 1974 (as amended) PUBLIC LAW 93-380

This is to serve notice to all students of Eastern Kentucky University of the rights and restrictions regarding the maintenance, inspection, and release of student records contained in the Family Educational Rights and Privacy Act of 1974 (FERPA), as amended. The University is composed of nine colleges and offers a wide variety of services to students. Each college and service requires the maintenance of some records concerning students enrolled in a particular college or participating in a nonacademic service. The location and type of record maintained by the University depends upon the field of study or service in which the student is enrolled. The following is a list of the types of records maintained by the University for students:

1. Grade reports
2. Transcripts
3. Curriculum information
4. Applications for graduation
5. Correspondence with students, if any
6. Withdrawal records, if applicable
7. Admission forms
8. ACT test scores
9. Student teacher evaluations, if applicable
10. Letters of recommendation, if applicable
11. Nominations for awards, if applicable
12. Biographical data
13. Evaluation forms, if applicable

14. Weekly student teacher logs, if applicable
15. Mid-term evaluation, if applicable
16. Records of school visitations, if applicable
17. Physical education requirement waivers
18. Field training evaluations and correspondence, if applicable
19. Professional conduct agreements and liability insurance coverage

Access to Records: In general, the records maintained by the University are available only to the student, to University personnel with legitimate educational interests, to other institutions where the student is seeking financial aid, and to authorized representatives of the Comptroller General of the U.S., the Secretary of Education, or an administrative head of an education agency, in connection with an audit or evaluation of federally support programs, and as provided by Section 164.283 of the Kentucky Revised Statutes. However, information may be released by the institution to appropriate persons in connection with an emergency if the knowledge of such information is necessary to protect the health or safety of a student or other persons. Records may also be furnished in compliance with a judicial order or pursuant to a subpoena or with the consent of the student.

Students may inspect and review all records pertaining to them within forty-five (45) days of making request for same, except for (1) records created or maintained by a physician, psychiatrist, psychologist or other recognized professional or paraprofessional acting or assisting in a professional capacity in connection with treatment of the student (except that the student may have these records reviewed by a physician or appropriate professional designated by the student,), (2) financial records of the student's parents, (3) confidential letters and recommendations put in the files prior to January 1, 1975, and (4) confidential recommendations relating to admission, applications for employment, or honors, if the student has waived his/her right to review such records. Where a particular record cannot be reviewed by a student without revealing confidential information relating to other students, the records custodian will inform the student, upon request, of the contents of the record pertaining to that student.

Parents of dependent students have a right to information concerning their children's grades without having to gain the student's consent.

Procedures for Challenge: A student who believes that any record maintained by the University pertaining directly to that student is inaccurate, misleading, or otherwise violative of the right of privacy of the student as provided by Title IV of Pub. L. 90-247, as amended, and Publ. L. 93-380 as amended by Senate Joint Resolution 40 (1974) may request a hearing before a panel of three persons appointed by the President of the University. The panel may direct that appropriate action be taken to correct, explain, or expunge the record(s) challenged.
Request for hearings should be addressed to the Office of University Counsel, Eastern Kentucky University, Coates Room 113, CPO 40A, 521 Lancaster Avenue, Richmond, Kentucky 40475-3102.

Directory Information: The University may release information without the student's consent where the information is classified as "directory information." The following categories of information have been designated by the University as directory information: name, address, telephone listing, e-mail address, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous education institution attended by the student. Students who do not wish such information released without their consent should notify the Student Records Office in writing. Any such request should be sent to Office of the Registrar, Office of Academic Records/Transcripts, Eastern Kentucky University, Coates Room 15, CPO 28A, 521 Lancaster Avenue, Richmond, Kentucky 40475-3102.

Copies: Copies of student records, except transcripts, will be furnished to the student at a cost of $.25 (twenty-five cents) per page.

Notification of Rights Under FERPA for Postsecondary Institutions: The Family Educational Rights and Privacy affords students certain rights with respect to their education records. They are:

(1) The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

(2) The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

(3) The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate education interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the University discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

(4) The right to file a complaint with the U.S. Department of Education concerning allege failures by the University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA are: Family Policy Compliance Office, U.S. Department of Education, 600 Independence Avenue SW, Washington, DC 20202-4605.

Student Right-To-Know Act (Pub. L. 101-542) Eastern Kentucky University 1999-2000

Section 103 of the Student Right-To-Know and Campus Security Act of 1990 (Public Law 101-542) as amended by the Higher Education Technical Amendments of 1991 (Public Law 102-26) requires public disclosure of relevant graduation rate information for students enrolled in colleges and universities receiving federal financial assistance annually beginning July 1, 1993. Because the undergraduate and graduate catalogs are published for a two-year period, the graduation rate information will be published each year in the *University Handbook for Students* or may be obtained upon request from the Office of the Provost and Vice President for Academic Affairs, Coates Administration Building, Room 108, CPO 30A, 521 Lancaster Avenue, Richmond, Kentucky 40475-3102.

PART 3

General Academic Information

Admission to the University

To apply for undergraduate admission to Eastern Kentucky University (Eastern), submit completed application materials noted below to: Admissions, 521 Lancaster Avenue, 203 Jones Building, Eastern Kentucky University, Richmond, KY 40475-3102.

General Requirements for Undergraduate Admission

All applicants must provide an application in writing and evidence of appropriate scholastic achievement through prior educational experience.

Please note that certain degree programs have special admission requirements. Admission to the University does not mean automatic admission to all degree programs.

Requirements for Freshman Admission

To be admitted as an in-state freshman, you must:

(1) Be a high school graduate or have a G.E.D. If you are in your senior year, you may be admitted tentatively. After graduation, you must submit a final high school transcript, certifying the actual date of graduation.
(2) Provide American College Test (A.C.T.) scores. (See unconditional admission below.)
(3) Have completed Kentucky's Pre-College Curriculum. This curriculum requires four specified units of English (English I, II, III, and IV), three of mathematics (algebra I and II and geometry), two of social studies (U.S. history and world civilization), and two of science (biology I and chemistry I or physics I). If you have not completed the Pre-College Curriculum, you will be required to remediate pre-college curriculum deficiencies before earning 24 credit hours. Courses used to remediate English and mathematics deficiencies will not apply to the credits required for graduation.

Unconditional Admission

For unconditional admission, you must present official scores from the A.C.T., demonstrating that you have achieved at least two of the following scores: English, 16 or above; Math, 18 or above; Composite, 18 or above. (If you do not achieve all of these scores see the section on Developmental Requirements in this *Catalog*.)

Conditional Admission

If you have not earned at least two of the A.C.T. scores listed above, you will be admitted conditionally, your enrollment in university courses will be restricted, and you may be required to complete developmental courses within a specified period of time. These courses are designed to enable you to succeed in your university program and will not apply to the credit required for graduation. Enrollment in university courses will be restricted until developmental deficiencies have been remediated. Please see the section on Developmental Requirements in this *Catalog*.

Upon satisfying your conditions of admission by demonstrating proficiency or successfully completing required developmental courses, you may pursue either a baccalaureate or an associate degree, if you are a student in good standing (see Minimum Scholastic Standards requirements in this *Catalog*).

Additional Requirements for Students from Other States

(1) If you are from a state other than Kentucky, you must
   a. graduate in the top fifty (50) percent of your high school class, or
   b. achieve a composite score at the 50th percentile or above for all students taking the ACT or the SAT nationally, or
   c. demonstrate the ability to pursue a college academic program through other accepted measures, as determined by the staff of the Office of Admissions.
(2) You must also have met high school curriculum requirements equivalent to those of the Commonwealth of Kentucky, as described above.

Additional Requirements for International Students

International applicants must also submit:

(1) T.O.E.F.L. (Test of English as a Foreign Language) score of at least 500.
(2) Declaration and Certification of Finances, showing financial support to attend Eastern.

Requirements for Admission as a Transfer Student

To be admitted as a transfer student, you must:

(1) Submit an official transcript from each regionally accredited institution you have attended. Eastern does not accept credits from institutions that are not regionally accredited. Note that the transcript must be sent from the student's institution to Eastern Kentucky University's Division of Admissions. Hand-carried transcripts will not be accepted.
(2) Have a 2.0 grade point average (GPA) on a 4.0 scale on all work from accredited institutions.
(3) Provide evidence that you are eligible to return to all institutions you have previously attended.

Although you are not required to submit A.C.T. scores, you are encouraged to do so if you believe those scores might establish your proficiency in the basic skills of English, mathematics, and reading.

***Note:** If you are admitted as a transfer student, your cumulative GPA will include hours attempted and quality points earned from all regionally accredited institutions. The Office of Enrollment Management and the academic department of your major will determine the applicability of your courses to your academic program.

*Note: Eastern subscribes fully to the policies of the "General Education Transfer Agreement" of the Kentucky Council on Postsecondary Education. Thus, Eastern will apply courses transferred from Kentucky public institutions to its general education requirements in accord with those policies.

Requirements for Readmission

If are eligible to re-enroll at Eastern and have not attended another institution since leaving, you will be readmitted upon submitting an application for readmission.

If you left Eastern on social probation or suspension, you must be approved by the Office of Student Affairs before being readmitted.

If you have attended another institution since leaving Eastern, you will be considered for admission under the guidelines for transfer students above.

Requirements for Special Admission

1. **High School Seniors**

Students who have one unit less than the number required for high school graduation with superior grades (i.e., 3.0+ grade point average) may be admitted upon the written recommendation of the high school principal.

2. **Transient Students**

If you are a student at another institution and wish to enroll at Eastern as a transient, or "visiting," student, you may be admitted by submitting an official transcript or a statement indicating that you are eligible to return to your institution.

3. **Admission as a Non-Degree Student**

Upon submission of an application, you may be admitted as a non-degree student. If so admitted,

(1) Your eligibility for enrollment in specific courses will be determined by an academic advisor;
(2) You will be permitted to enroll for a maximum of 6 semester hours per academic term;
(3) You will not be eligible to receive financial assistance awards;
(4) You may not enroll in English or mathematics courses until you establish that you would be eligible to enroll in such courses were you a degree seeker.

If you subsequently decide to pursue a degree, you must re-apply for admission as a degree seeker. If you are thus admitted,

(1) You will be required to remediate all pre-college curriculum deficiencies and to satisfy all EKU developmental requirements;
(2) You will be permitted to count hours earned as a non-degree student toward a degree only with the permission of the dean of the college offering your degree program.

4. **O'Donnell Scholarship Recipients**

If you are at least 65 years of age, you may be admitted to Eastern with a waiver of tuition. You need submit only an application for admission.

5. **Special Consideration**

If you do not meet the conditions for admission noted above, you may request special consideration for admission. Contact the Office of Admissions for procedures.

Credits Accepted

Eastern Kentucky University accepts credits transferred from regionally accredited postsecondary institutions and credits earned by examination, and it awards credits for certain types of military experiences.

Transfer Credits/Courses

Eastern participates in and subscribes to the principles of the Kentucky Council on Postsecondary Education statewide transfer agreements. Eastern will accept credits transferred from all public institutions in Kentucky, and it will apply them to its general education and program requirements to the maximum extent specified in these agreements. Credits not identified in these agreements will be applied to degree requirements as deemed appropriate.

Eastern will also accept credits transferred from other colleges and universities accredited by the regional accrediting associations, such as the Commission on Colleges of the Southern Association of Colleges and Schools. As completely as possible, it will apply these credits to the student's degree program.

Eastern students may also earn credits at other institutions and transfer them back to Eastern. To ensure that they earn appropriate credits, they are strongly advised to obtain their college dean's prior approval of any course work they plan to transfer. The University will take no responsibility for courses transferred without prior approval.

The University considers lower division credits transferred to Eastern as lower division, even if Eastern offers a comparable course at the upper division.

Credit By Examination

To demonstrate competence attained through educational experiences other than university instruction, students may attempt to earn academic credit by examination in certain undergraduate courses. Conditions which apply to credit by examination are:

1. Only admitted students will be awarded credit by examination.
2. Credit earned by examination is recorded without a letter grade; hence, it has no effect upon the overall grade point average (GPA).
3. A student may attempt to earn credit by examination in a particular course only once.
4. A student may not earn credit by examination in a course which the student has failed.
5. A student may not take a course-specific College Level Examination Program (CLEP) or departmental examination for credit for a course in an area in which advanced course work has already been completed, as determined by the department responsible for the discipline under consideration.
6. A student may not take General CLEP examinations after completing 30 semester hours of college credit without special approval from the Associate Vice President for Enrollment Management.
7. Special fees are assessed for credit by examination and must be paid prior to taking an examination.

Credit by examination may be earned through any of the following methods.

1. College Level Examination Program (CLEP)

Students may attempt to earn credit through any of four "General" and approximately twenty-three "Subject" examinations in this testing program run by The College Board.

Examination	Minimum Score	Credit Hours	EKU Equivalent Course(s)
Introductory Accounting	50	6	ACC 201, 202
General Biology	49	4-8	BIO 131 and/or 141
General Chemistry	47	4-9	CHE 111 and/ or 112
Principles of Microeconomics	47	3	ECO 230
Principles of Macroeconomics	48	3	ECO 231
*English Composition w essay	421	3	ENG 101
College French (Levels 1 and 2)	53	6	FRE 101, 102
American Literature w essay	50	3-6	ENG 350 and/ or 351
English Literature w essay	50	3-6	ENG 352 and/ or 353
College German (Levels 1 and 2)	48	6	GER 101, 102
American History I w essay	45	3	HIS 202
American History II w essay	45	3	HIS 203
Western Civilization I w essay	46	3	HIS 231
Western Civilization II w essay	47	3	HIS 232
*Humanities w Dept. essay	500	3	HUM 124
Principles of Management	47	3	MGT 300
Principles of Marketing	48	3	MKT 300
College Algebra	55	3	MAT 107
Trigonometry	50	3	MAT 108
Precalculus Mathematics	50	5	MAT 109
Calculus w Elementary Functions	48	8	MAT 124 and 224
*Natural Sciences	500	3	Non-lab Science
American Government	47	3	POL 101
Introductory Psychology	47	3	PSY 202
*Social Sciences & History	500	6	Gen. Ed Soc. Sci.
Introductory Sociology	46	3	SOC 131
College Spanish	60	6	SPA 101, 102

*CLEP General Examinations

For further information about these examinations, including sign-up procedures and cost, students should contact the Testing Office, Keith 143, Phone (606) 622-1281.

2. Advanced Placement Program (APP)

The Advanced Placement Program consists of courses of study and special examinations open to students in high school. The courses are presented during the student's junior and senior years, and the examinations are administered during the month of May each year. Eastern accepts the Advanced Placement Program examinations for credit as follows:

APP Examination	Minimum Score	Credit Hours	EKU Equivalent Course(s)
U. S History	3	6	HIS 202, 203
Art: History	3	6	ART 390, 391
Art. Studio, Drawing	see Department Chair		
Art. Studio, General	see Department Chair		
Biology	3	4	BIO 211
Chemistry	3	4-9	CHE 111 and/ or 112
Computer Science A	3	3	CSC 180
Computer Science AB	3	6	CSC 182
Economics/Micro	3	3	ECO 230
Economics/Macro	3	3	ECO 231
English Language and Composition	3	3	ENG 101
English Literature and Composition	3	3	ENG 101
European History	3	6	HIS 231, 232
French Language	3	9	FRE 101, 102, 201
French Language	4-5	12	FRE 101, 102, 201, 202
French Literature	3	3	FRE 310
German Language	3	9	GER 101, 102, 201
	4-5	12	GER 101, 102, 201, 202
Government and Politics/ U. S	3	3	POL 101
Government and Politics/ Comparative	3	3	POL 211
Latin/ Virgil	3	6	LAT 101, 102
Math/ Calculus AB	3	4	MAT 124
Math/ Calculus BC	3	8	MAT 124, 224
Music: Listening/Literature	3	3	MUS 171
Music: Theory	3	8	MUS 181, 182
Physics B	3	3	PHY 101
Physics C/ Mechanics	3	5	PHY 131
Physics C/ Elec. & Mag	3	5	PHY 132
Psychology	3	3	PSY 202
Spanish Language	3	9	SPA 101, 102, 201
	4-5	6	SPA 101, 102, 201, 202
Spanish Literature	3	3	SPA 310

3. Exams for Nursing Courses

For associate degree nursing students, Eastern will award credit for NUR 115 for satisfactory scores on the American College Testing Proficiency/Regents Examination Program (ACT-PEP; Regents) exam in the Fundamentals of Nursing.

4. Departmental Examinations

A number of academic departments at Eastern have developed their own examinations for credit as an extension of the CLEP program. These examinations are similar in nature to the CLEP exams. Enrolled Eastern students interested in attempting to earn credit through departmental examinations should contact the Advising and Testing Office, Keith 143, Phone (606) 622-1281, for information on the exams that are available for challenge, costs, and procedures for registering.

Military Credits

Based upon recommendations of the American Council on Education, Eastern will award credit to individuals who have successfully completed military service school courses. It will also award credit for military occupational specialties (MOS's), again based upon ACE recommendations. To be considered for this credit, students should submit appropriate paper work to the Registrar's Office-Records Division, Coates 15, Phone (606) 622-1103.

In addition, students who have completed basic training and advanced individual training are invited to submit to the Registrar their Form DD-214 (discharge verification) in order to receive up to eight hours of credit for military science and a waiver of the two-semester physical education requirement.

Academic Programs

Eastern offers the following programs which are registered with the Kentucky Council on Postsecondary Education. Many of these programs include approved options designed to provide a background tailored for students' individual needs. At the undergraduate level, these options are presented with the program descriptions in this *Catalog*. Options at the graduate level are found in the *Graduate Catalog*. Eastern cooperates with the University of Kentucky in offering joint doctoral programs.

MAJORS	DEGREES
Accounting	BBA
Administrative Communication and Services	BBA
Agriculture	AS, BS
Anthropology	BA
Apparel Design and Merchandising	BS
Art	BA, BFA
Art (Teaching)	BA
Assets Protection	BS
Aviation	BS
Biology	BS, MS
Biology (Teaching)	BS
Broadcasting and Electronic Media	BA
Business Administration	MBA
Business and Marketing Education/Teaching	BS
Chemistry	BA, BS, MS
Child Care	AS
Child and Family Studies	BS
Clinical Laboratory Technology/Science	AS, BS
Clinical Psychology	MS
Communication Disorders	BS, MA in Ed
Community Nutrition	MS
Computer Aided Drafting	AS
Computer Electronic Networking	BS
Computer Electronic Publishing	AS
Computer Electronics Technology	AS
Computer Information Systems	BBA
Computer Science	BS
Computer Science and Mathematics (Teaching)	BS
Construction Technology	BS
Corrections and Juvenile Services	AA, BS
Criminal Justice	MS
Deaf and Hard of Hearing	BS
Dietetics, General	BS
Elementary Education	BS, MA in Ed
Economics	BA, BBA
Educational Administration and Supervision	EdS
Elementary Education (Teaching) Primary-Grade Five	BS
Emergency Medical Care	AS
English	BA, MA
English (Teaching)	BA
Environmental Health Science	BS
Environmental Studies	BS
Family and Consumer Sciences Education	BS
Finance	BBA
Fire and Safety Engineering Technology	AA, BS
Forensic Science	BS
French	BA
French (Teaching)	BA
General Business	BBA
General Dietetics (2+2)	BS
Geography	BA
Geography (Teaching)	BA
Geology	BA, BS, MS
German	BA
German (Teaching)	BA
Health Care Administration	BBA
Health Education	BS
Health Information Technology/Management	AS, BS
History	BA, MA
History (Teaching)	BA
Horticulture	BS
Individualized Studies	BIS
Industrial Education	MS
Instructional Leadership	MA in Ed
Insurance and Risk Management	BS
Interior Design	BA
Interior Design Assistant	AA
Interpreter Training Program	BS
Joint Doctoral in Biology, General*	PhD
Joint Doctoral in Educational Policy Studies and Evaluation*	EdD
Joint Doctoral in Educational Psychology*	EdD
Joint Doctoral in Geology*	PhD
Joint Doctoral in Health, Physical Education, and Recreation*	EdD
Joint Doctoral in Instruction and Supervision*	EdD
Joint Doctoral in Special Education*	EdD
Joint Doctoral in Vocational Education*	EdD
Journalism	BA
Library Science	MA in Ed
Loss Prevention and Safety	MS
Management	BBA
Manufacturing Technology	BS, MS
Marketing	BBA
Mathematical Sciences	MS
Mathematics	BS
Mathematics (Teaching)	BS
Medical Assisting Technology	AS
Mental Health Counseling	MA
Microbiology	BS
Middle Grade Education (Teaching)	BS, MA in Ed
Military Science	Commission
Music	BA, BM, MM
Music (Teaching)	BME
Nursing	ASN, BSN, MSN
Nutrition Care Management	AS
Occupational Therapy	BS, MS
Office Systems/Technologies	AA
Paralegal Studies/Science	AA, BA
Performing Arts	BFA
Philosophy	BA
Physical Education	BS, MS
Physical Science (Teaching)	BS
Physics	BS

Police Administration	AA, BS
Political Science	BA, MA
Pre-Dental Hygiene	(Transfer Program)
Pre-Engineering	(Transfer Program)
Pre-Forestry	(Transfer Program)
Pre-Medical Sciences	(Transfer Program)
Pre-Optometry	(Transfer Program)
Pre-Pharmacy	(Transfer Program)
Pre-Physical Therapy	(Transfer Program)
Pre-Physician Assistant	(Transfer Program)
Pre-Veterinary Medicine	(Transfer Program)
Printing Management	BS
Psychology	BS
Public Administration	MPA
Public Relations	BA
Quality Assurance Technology	AS
Recreation and Park Administration	BS, MS
School Counseling	MA in Ed
School Psychology	PsyS
Science of Engineering	AS
Secondary Education (20 Discipline Options)	MA in Ed
Social Work	BSW
Sociology	BA
Spanish	BA
Spanish (Teaching)	BA
Special Education (5 options)	BS, MA in Ed
Speech Communication	BA
Speech and Theatre Arts	BA
Speech and Theatre Arts (Teaching)	BA
Statistics	BS
Student Personnel Services in Higher Education	MA, EdS
Technical Agriculture	AS
Technology Education	BS
Theatre Arts	BA
Vocational-Industrial and Technical Education	AS, BS
Wildlife Management	BS

**Degrees awarded by University of Kentucky*

MINORS

Eastern offers minors in a number of fields. Certain minors are restricted as teaching or nonteaching. Consult the index for the location of requirements for individual minors. The following minors are offered, some offering options or areas of specialization.

Advertising
Aerospace Studies
Agriculture
American Sign Language (ASL) Studies
Anthropology
Architectural Drafting Technology
Art
Assets Protection Management
Aviation Administration
Aviation Flight
Biology
Broadcast News
Broadcasting and Electronic News
Business
Chemistry
Child and Family Studies
Community Health Education (Non-Teaching)
Computer Electronics Publishing
Computer Electronics Technology
Computer Information Systems
Computer Publishing
Computer Science
Construction Technology
Corrections and Juvenile Services
Dance (Non-Teaching)
Design and Merchandising
Deviance/Criminology
Economics
Emergency Medical Care
English
Environmental Health Science
Family and Consumer Sciences
Fire and Safety Engineering Technology
Foodservice Administration
French
Geography
Geology
German
Gerontology
Health Care Administration
Health Information
History
Horticulture
Human Environmental Sciences
Humanities
Insurance and Risk Management
International Studies
Interior Design
Journalism
Managerial Communication
Manufacturing Technology
Mathematical Sciences
Mathematics
Military Science
Music
Natural Resource Analysis
Nutrition
Office Administration
Philosophy
Physical Education (Non-Teaching)
Physics
Planning
Police Administration
Political Science
Psychology
Public Administration
Public Relations
Quality Assurance Technology
Real Estate
Recreation and Park Administration (Non-Teaching)
Religion
School Health P-12 (Teaching)
Social Justice
Social Welfare
Sociology
Soils
Spanish
Special Education
Speech Communication
Statistics
Theatre Arts
Traffic Safety (Non-Teaching)
Travel and Tourism

Visual Media
Women's Studies

Endorsements and Certificates

The following special endorsements and certificates are offered.

1. **Undergraduate**
   - Advanced Emergency Medical Care Certificate
   - Basic Emergency Medical Technician
   - Certified Chemical Dependency Counselor
   - Driver Education Endorsement
   - English as a Second Language (Teaching) Endorsement
   - Fire and Safety Engineering Technology Certificate
   - Health Information Coding Certificate
   - Health Information Management, Post-baccalaureate Certificate
   - Medical Administrative Certificate
   - Physical Education
   - Coaching Endorsement
   - Elementary Physical Education Endorsement

2. **Graduate**
   - Director of Special Education
   - Driver Education
   - Early Elementary School Principal
   - Middle Grade School Principal
   - Pupil Personnel Services
   - Rank II
   - Rank I
   - School Counseling
   - School Psychology
   - School Superintendent
   - Secondary School Principal
   - Supervisor of Instruction

Preprofessional Curricula

1. **Pre-Law Curriculum**

Students interested in going to law school or exploring the possibility of doing so should make an appointment with the University Pre-law Advisor as early in their academic career as possible. The Pre-law Advisor is located in the Department of Government. The Pre-law Advisor can guide the student in selecting courses consistent with the American Bar Association recommendations noted below, plus provide valuable information on law schools, the Law School Admission Test, and typical admission procedures.

Prospective law students should keep in mind that a broadly based liberal education will best equip one to study law. Thus, no fixed pre-law curriculum is prescribed. A special committee of the American Bar Association recommends that pre-law students take courses in written and speech communications, accounting, economics, psychology, and historical and contemporary social and political processes.

Regardless of one's chosen major, the following abilities are absolutely essential in the study of law: to read critically, to think logically, and to write and speak effectively.

Admission to an accredited law school is dependent upon a good undergraduate record with an earned baccalaureate degree and a competitive score on the Law School Admission Test.

2. **"Three-Two" Curricula**

In addition to standard pre-professional curricula, Eastern may approve specially arranged combined curricula. Students approved for these curricula complete the first three years of requirements at Eastern. At the end of these three years, they enroll in one of several highly rated professional schools. After the first year of professional study, they transfer the work back in order to secure a Bachelor of Arts or a Bachelor of Science degree from Eastern. This plan may shorten by one year the time needed for obtaining both a baccalaureate and a professional degree.

3. **Other Preprofessional Curricula**

Descriptions of the following preprofessional curricula may be found on the pages noted:

Pre-Dental Hygiene 172
Pre-Engineering 59
Pre-Forestry 59
Pre-Medical Sciences (Pre-Medicine, Pre-Dentistry) 60
Pre-Optometry 59
Pre-Pharmacy 60
Pre-Physical Therapy 172
Pre-Physician Assistant 172
Pre-Veterinary 108

Undeclared Students

If you are not ready to declare a major, Eastern will enroll you as an undeclared student. You should declare a major as soon as you decide what you want to major in. Until you do declare, your curriculum will include general education courses appropriate for most baccalaureate programs. In addition, you will be encouraged to take exploratory electives that will allow you to sample disciplines that you might like to select as a major.

Change of Major

Undergraduate students who wish to change their major should report to Keith 129. When you change your major, you will be assigned a new advisor for the new major.

Baccalaureate Degree Requirements

Comprehensive Requirements

To qualify for a baccalaureate degree, students must satisfy the following requirements:

1. Complete all requirements in the degree program as established by appropriate University committees.
2. Complete University academic requirements, including basic skills proficiencies in English, reading, and mathematics; restricted electives; and general education; as established by appropriate University committees for each degree program.
3. Complete a minimum of 128 semester credit hours, with at least 43 hours at the 300 level or above.
4. Complete Restricted Elective Requirements selected from MIL 101, 102, 202, and 203 OR electives outside the department of the major. These Restricted Electives may not be used to meet general education or other

program requirements, nor may they be taken "Pass-Fail."
5. Satisfy the University Writing Requirement.
6. Earn a minimum grade point average (GPA) of 2.0 on all college-level work taken at Eastern. In addition, transfer students must earn a minimum GPA of 2.0 on the combined transfer work and Eastern work.
7. Earn a minimum of 32 semester hours through Eastern.*
8. Earn at least 30 of the last 36 hours through Eastern, exclusive of student teaching (ELE 499, EMG 499, ESE 499, and SED 499).*
9. Earn the credits applicable to the degree within eight years prior to the date the degree is awarded. Credits more than eight years old may be validated by the college dean.

*Degree programs offered by the College of Business and Technology have more stringent residency requirements. Please refer to "Residency Requirements" in the College of Business and Technology section of this *Catalog*.

General Education Requirements

General education requirements include 51 hours of course work designed to help each student develop as an educated person and as a citizen. For certain curricula, individual requirements are waived if they are satisfied in the major program. Refer to the program plans in Part IV of this Catalog.

The General Education Program consists of course work in six broad areas: symbolics of information; humanities; social science; natural science; physical education and health; and communication and computational skills. These areas are subdivided into the 21 categories listed below. Students must earn the specified number of hours in the 17 "required" categories. In addition they must earn three hours in each of two of the four "optional" categories (categories 04, 08, 12, 16).

Notes: The courses listed below award three hours of credit, unless a number appears in parentheses following the course name. This number represents the hours awarded for such courses. Course numbers followed by an asterisk (*) have prerequisites or other restrictions on enrollment. Refer to course descriptions in Part IV of this Catalog for specific restrictions.

I. Symbolics of Information.

01 Symbolics. English Composition. Three hours required.

ENG 101*	English Composition I
ENG 105*	English Composition Honors (3 or 6)

NOTE: Students earning "A" or "B" in ENG 105 will earn six hours of credit, three of which will be applied to category 02. Those earning "C" or "D" will earn three hours credit and will then take ENG 102.

02 Symbolics. English Composition. Three hours required.

ENG 102*	English Composition II
HON 102*	Honors Rhetoric (6; for categories 01 and 02)

03 Symbolics of Information. Three hours required.

ACS 201*	Business Communication
ASL 101	American Sign Language I
ASL 102*	American Sign Language II
ASL 201*	American Sign Language III
ASL 202*	American Sign Language IV
CIS 212	Introduction to Computer Information Systems
CSC 104	Computer Literacy with Software Applications
CSC 174	Introduction to Computer Programming--FORTRAN
CSC 177	Introduction to Programming in Visual Basic
CSC 180	Introduction to Computer Programming-Pascal
CSC 190	Introduction to Computer Programming—C++
FLS 300*	Elements of Foreign Language
FRE 101*	Elementary French I
FRE 102*	Elementary French II
FRE 201*	Intermediate Conversational French I
FRE 202	Intermediate Conversational French II
FRE 204*	Review of French Grammar
FRE 340*	French Phonetics
FRE 360*	French Grammar in Context
GER 101*	Elementary German I
GER 102*	Elementary German II
GER 201*	Intermediate Conversational German I
GER 202*	Intermediate Conversational German II
GER 240*	Beginning Conversation
GER 340*	Intermediate Conversation
GER 360*	Intermediate Grammar and Composition
GRE 101	Elementary Greek I
GRE 102*	Elementary Greek II
GSL 112*	College Reading/Study Skills
	or
GSL 115	Learning Dynamics (1)
GSL 116	Efficient Reading (1)
GSL 201	Vocabulary Development (2)
GSL 205	Topics in Reading (1-3)

NOTE: Students may count a maximum of three semester hours of GSL course work toward general education.

ITA 101	Elementary Italian I
ITA 102*	Elementary Italian II
JPN 101	Elementary Japanese I
JPN 102*	Elementary Japanese II
JPN 201*	Intermediate Japanese I
JPN 202*	Intermediate Japanese II
LAT 101	Elementary Latin I
LAT 102*	Elementary Latin II
MAT 105	Mathematics with Applications*
MAT 106	Applied Finite Mathematics
MAT 107*	College Algebra
MAT 109*	Precalculus Mathematics (5)
MAT 124*	Differential and Integral Calculus (4)
MAT 124H*	Honors Calculus I (4)
MAT 211*	Calculus with Applications for Business and Economics
MAT 224*	Calculus II (4)
MAT 224H*	Honors Calculus II (4)
MAT 261*	Calculus with Applications for Science I

NOTE: A maximum of three semester hours of MAT course work may count for Symbolics of Information requirements. The three hours may be used in either category 03 or 04.

PHI 100	Practical Reasoning
POR 501*	Accelerated Elementary Portuguese I
POR 502*	Accelerated Elementary Portuguese II
RUS 101	Elementary Russian I
RUS 102*	Elementary Russian II
RUS 201*	Intermediate Russian I

RUS 202*	Intermediate Russian II
SPA 101*	Conversational Spanish I
SPA 102*	Conversational Spanish II
SPA 105*	Spanish Honors

NOTE: Students earning "A" or "B" in SPA 105 will earn six hours of credit, three of which will be applied to category 04. Those earning "C" or "D" will earn three hours credit and, if they choose to continue in Spanish, will then take SPA 102.

SPA 201*	Intermediate Conversational Spanish I
SPA 202*	Intermediate Conversational Spanish II
SPA 206*	Beginning Conversation
SPA 360*	Topics in Grammar: _____
SPA 370	Conversation and Composition
SPE 200	Interpersonal Communication
SPE 205	Argumentation
SPE 210	Public Speaking

NOTE: A maximum of three semester hours of SPE course work may count for Symbolics of Information requirements. The three hours may be used in either category 03 or 04.

STA 208*	Descriptive Statistics (1)
STA 215*	Elementary Probability and Statistics
STA 270*	Applied Statistics I

NOTE: Students may count a maximum of three semesters hours of STA course work towards general education.

04 Symbolics of Information. Three hours optional.
Select an additional three semester hours from category 03 or HON 304, Special Topics.

II. Humanities.

05 Chronological Humanities. Three hours required.

ENG 211*	Survey of World Literature I
HON 205*	Honors Humanities I
HUM 226*	The Search for Meaning: The Ancient World

06 Chronological Humanities. Three hours required.

ENG 212*	Survey of World Literature II
HON 306*	Honors Humanities II
HUM 228*	The Search for Meaning: The Modern World

07 Humanities. Three hours required.
In addition to the courses listed below, students may satisfy the requirement with the following foreign language courses from category 03: FRE 201, 202, 204, or 360; GER 201, 202, 240, 340, or 360; JPN 201 or 202; RUS 201 or 202; SPA 201, 202, 206, 360 or 370.

ART 200	Art Appreciation: Orientation
ART 390	Survey of Art History I
ART 391	Survey of Art History II
FCC 210	Topics in Culture: _____
FCC 220	French Culture and Civilization
FCC 222	German Culture and Civilization
FCC 226	Hispanic Culture & Civilization
FCC 227	Japanese Culture and Civilization
HUM 124*	Humanities and the Search for Meaning
MUS 171	Enjoyment of Music
MUS 272	Music Literature
MUS 371*	Music History I
MUS 372*	Music History II
PHE 200	Heritage of Dance
PHI 110	Beginning Philosophy
PHI 130	Beginning Ethics
PHI 240	Philosophy of Religion
PHI 300	Greek and Roman Philosophy
PHI 320	Modern Philosophy
REL 301	World Religions
THE 100	Introduction to the Theatre
THE 390	Theatre History I
THE 391	Theatre History II

08 Humanities. Three hours optional.
Select an additional three semester hours from category 07, including listed foreign language courses, or from the following courses:

COM 350	Cinema History I
COM 351	Cinema History II
HON 308	Special Topics
HUM 300*	The Individual in Contemporary Society
MUS 273	Survey of American Popular Music
PHI 340	Philosophy of Science
PHI 360	Human Nature
PHI 385	Environmental Ethics

III. Social Science.

09 Social Science Principles. Three hours required.

ANT 120	Introduction to Cultural Anthropology
ECO 120*	Economics in A World Setting-Principles
ECO 230*	Principles of Economics I
GEO 101	Introduction to Geography
HIS 142	Foundations of World Civilization
POL 100	Principles of Politics and Government
SOC 131	Introductory Sociology

10 Historical Social Science. Three hours required.

ANT 210	Non-Industrial Societies Around the World
GEO 201	Historical Geography I: Pre-Industrial Era
HIS 202	American Civilization to 1877
HIS 231*	Western Civilization I
HIS 246*	Preindustrial World Civilizations
HON 210*	Honors Civilization I
POL 210	Political Development: Traditional and Transitional Societies

11 Historical Social Science. Three hours required.

ANT 211	Industrial Societies Around the World
GEO 202	Historical Geography II: Modern World
HIS 203	American Civilization Since 1877
HIS 232*	Western Civilization II
HIS 247*	Industrialism in World Civilizations
HON 311*	Honors Civilization II
POL 211	Political Development: Modern Societies

12 Social Science: Contemporary Problems. Three hours optional.

ANT 325	Problems in Contemporary Cultures
COM 200	Mass Communications and Society
ECO 130*	Contemporary Economic Problems
ECO 231	Principles of Economics II
GEO 302	Conservation and Environmental Problems
GEO 321	Urban Geography
GEO 322	Political Geography
GEO 345	Regions and Nations of the World
HIS 300	Seminar in Contemporary World Civilization
HIS 305	African-American History
HON 312*	Special Topics
POL 101	Introduction to American Government
POL 220	Problems of International Politics
POL 300	Contemporary Political Problems
PSY 300*	Social Psychology
SOC 235	Social Problems

IV. Natural Science.

13 Biological Laboratory Science. Three hours required.

BIO 100*	Introductory Biology
BIO 131	General Botany (4)
BIO 141	General Zoology (4)
BIO 171	Human Anatomy
BIO 301	Human Physiology
	and
BIO 378*	Human Physiology Laboratory (1)
NAT 101*	Biology: The Science of Life

14 Physical Laboratory Science. Three hours required.

AST 135*	Introductory Astronomy
CHE 101*	General Chemistry I (4)
CHE 105*	Chemistry for the Health Sciences I (4)
CHE 111*	Introductory Chemistry I (4)
GEO 210	Introduction to Physical Geography

NOTE: Students may use only one course from GEO 210 and 215 to meet general education requirements.

GLY 108*	Principles of Geology
GLY 109	Principles of Historical Geology
NAT 171*	The Physical Universe
NAT 172*	The Physical Environment
PHY 101*	Physical Science (Physics)
PHY 131	College Physics I (5)
PHY 201*	University Physics I (5)

15 Natural Science. Three hours required.
The courses listed below and those listed for categories 13 and 14 are recommended, but students may take any natural science course offered by the College of Arts and Sciences. See your advisor.

ANT 201	Introduction to Physical Anthropology
	or
ANT 206	Human Evolution
	or
ANT 380*	Forensic Anthropology
AST 130*	Introductory Astronomy
AST 330	Theories of Modern Astronomy
BIO 300	Economic Plants
BIO 301	Human Physiology
BIO 303*	Human Heredity and Society
BIO 304	Birds of Kentucky
BIO 310	Biology of Aging
BIO 317	Conservation of Wildlife Resources
BIO 399*	Trends in the Biological Sciences
CNM 101	Cosmos and Evolution I: An Exploration of Nature
CNM 102	Cosmos and Evolution II: An Exploration of Nature*

NOTE: Students completing both CNM 101 and 102 may use those courses to satisfy the biological and physical laboratory science requirements of categories 13 and 14.

CNM 315	Topics in Natural Science General Education
GEO 215	Introduction to Meteorology

NOTE: Students may use only one course from GEO 210 and 215 to meet general education requirements.

GLY 302	Earth Science
GLY 304	Introduction to Oceanography
GLY 307	Exploring the Dynamic Earth
GLY 390	Environmental Geology
HON 315*	Honors Science Seminar
NAT 173*	The Physical Environment
NAT 300	Science as a Human Endeavor
NAT 305	Dinosaurs
NAT 310	Topics in the Natural Sciences (1-3)
NAT 363	Ecology and Human Affairs
NAT 380	Science and Society
SCI 310	History of Science

16 Natural Science. Three hours optional.
Select an additional course from category 13, 14, or 15, or any other natural science course offered by the College of Arts and Sciences, or the following course: HON 316, Special Topics.

V. Physical Education and Health.

17 Physical Education I. One hour required.

HPR 180	Fitness and Wellness (1)

18 Physical Education II. One hour required.

HPR 282	Exercise, Movement, and Sports Skills (1)

19 Health. Two hours required.

HEA 281	Personal and Community Health (2)

NOTE: Adapted sections for special needs students are offered each semester (Fall-HPR 180; Spring-HPR 282).

VI. Communication and Computational Skills.

20 Oral Communication. Two hours required.
Students entering Eastern Kentucky University in Fall 1997 or thereafter must complete one of the following courses:

SPE 100	Introduction to Human Communication
SPE 301	Practical Communication Skills (2)

21 Mathematics. Three hours required.
Students entering Eastern Kentucky University in Fall 1996 or thereafter must complete a three-hour MAT course numbered 105 or higher.

Associate Degree Requirements

Comprehensive Requirements

To qualify for an associate degree, students must satisfy the following requirements:

1. Complete all requirements in the degree program as established by appropriate University committees.
2. Complete University academic requirements, including basic skills proficiencies in English, reading, and mathematics; restricted electives; and general education; as established by appropriate University committees for each degree program.
3. Complete a minimum of 64 semester credit hours.
4. Complete Restricted Elective requirements selected from MIL 101, 102, 202, and 203 OR electives outside the department of the major. These Restricted Electives may not be used to meet general education or other program requirements, nor may they be taken "Pass-Fail."
5. Earn a minimum grade point average (GPA) of 2.0 on all college-level work taken at Eastern. In addition, transfer students must earn a minimum GPA of 2.0 on the combined transfer work and Eastern work.

6. Earn a minimum of 16 semester hours through Eastern.
7. Earn a minimum of 15 of the last 18 hours through Eastern.
8. Earn the credits applicable to the degree within eight years prior to the date the degree is awarded. Credits more than eight years old may be validated by the college dean.

General Education Requirements

Students in associate degree programs must earn a minimum of 16 hours in courses approved for general education. These hours must include ENG 101 and ENG 102 or their equivalent. The ten additional hours must include approved courses in categories 05-08 (humanities); categories 09-12 (social science); and categories 13-16 (natural science) or an approved MAT course from category 03. ***Courses meeting general education requirements have been identified by an asterisk(*) in the curriculum listings in Part IV.***

Academic Regulations

Students must become familiar with all regulations and procedures required in their program. In no case should they expect waiver or exception to published program requirements because they were unaware of the regulation or because an advisor or other authority did not directly present the information. All students should become familiar with the general academic information section of the *Catalog* and the specific college and departmental program requirements.

Developmental Requirements

All students at Eastern must demonstrate proficiency in the basic skills of reading, writing, and mathematics. The University measures these basic proficiencies by the student's performance on the ACT test and on local diagnostic tests. In the case of transfer students, the University also considers performance at the previous institution. Students who need additional help in these basic skill areas are required to pass some or all of the developmental courses listed below before confronting a rigorous academic program:

ENG 090	Basic Writing (3 hours)
ENG 095	Developmental Composition (3)
GSL 090	Developmental Reading I (3)
GSL 095	Developmental Reading II (3)
MAT 090	Prealgebra (3)
MAT 095	Algebra I (3)

See Part IV of this *Catalog* for descriptions of these courses.

Credits earned in developmental courses do not apply toward graduation ("institutional credit only"), but they do count toward the student's enrollment status for such purposes as financial aid eligibility and full-time student status.

Full-time students must complete each required course in the Developmental Studies Program within two terms of enrollment. Students who do not complete required developmental courses within that time will be dismissed from the University and will be ineligible to re-enroll until the deficiency is remediated.

Part-time students must enroll in required developmental courses before attempting course work which carries academic credit.

All students must complete all required developmental courses by the end of the term in which they attempt their 45th credit hour, including developmental hours. Students failing to complete required developmental courses within the prescribed limits will not be allowed to re-enroll at Eastern until the developmental deficiencies are remediated.

University Writing Requirement

To ensure that graduates of Eastern possess important communication skills, the faculty and Board of Regents have approved a University Writing Requirement (UWR). Except as noted below, students seeking baccalaureate degrees from Eastern, including transfer students, must successfully complete an essay exam in English.

Baccalaureate degree students must take the exam in the first semester of enrollment after completing the 60th credit hour. Transfer students who transfer 60 credit hours or more must take the exam in the first semester of enrollment.

Students who fail the first attempt may retake the exam under the following conditions:

A. prior to the next enrollment, they must file with their advisor a remediation plan;
B. they may not enroll for more than 12 hours in any fall or spring semester until the exam requirement is satisfied; and
C. they may not enroll after earning 100 hours until the exam requirement is satisfied.

Students failing to register for and take the UWR in the semester after they complete 60 credit hours will be subject to the enrollment limitations noted above in B. and C. Students with previously earned baccalaureate degrees need not write the UWR.

Catalog

For general education requirements, students will be governed by the *Catalog* in use at the time they enter the University. Their major program requirements will be those in effect at the time they declare their major; however, if those requirements change, students may elect to complete the later requirements. Students who stop out for more than one year but who stay in the same major upon returning will meet the major requirements in place at the time they reenroll.

The above refers only to curricular requirements. With respect to policy requirements, all students are governed by current University policies that have been approved by appropriate University committees.

Curriculum Guides

In each college section of this catalog there are suggested curriculum guides showing how a program can be completed in eight semesters. Completion of the program will vary according to student status (i.e. transfer students, developmental students) and student load each semester.

Colleges will make available to students through appropriate advising any additional non-curricular requirements that apply to the specified major.

Classification of Students

A student's classification is determined by the number of semester hours earned, as follows:

Freshman	—	0 - 29 semester hours earned
Sophomore	—	30 - 59 semester hours earned
Junior	—	60 - 89 semester hours earned
Senior	—	90 or more semester hours earned

Good Academic Standing

A student is considered to be in good academic standing at Eastern when that student maintains a grade point average that permits the student to re-enroll in the institution on a full-time basis and in the duly designated academic program.

Satisfactory Progress

Degree-seeking students shall be considered as making satisfactory progress so long as they remain in good academic standing and enroll in courses required by or allowed for in their academic program.

Student Load

A full-time student is one who enrolls for from 12 to 18 credit hours during a fall or spring term. Students carrying fewer than 12 credit hours are considered part time. A student who has established superior records may be permitted to enroll for more than 18 hours by the dean of the college of the student's first major. The absolute maximum load is 21 credit hours.

Six to nine semester hours are considered a normal load for a summer session. Fewer than six are a part-time load, and ten are the absolute maximum. The student's academic dean must approve a ten-semester-hour load.

Three semester hours constitute the load for the spring intersession, with a four-hour absolute maximum permitted with approval.

The above limitations apply to all enrollments or combinations of enrollments for the term specified, including campus classes, extended campus classes, correspondence study (refer to the *Correspondence Course Bulletin*), and enrollments at other institutions. The Registrar will not record credits beyond these maximums.

Double Major

A student pursuing an associate or baccalaureate degree may consider a second major at the same degree level. If the student completes the second major by the time the degree is conferred, it will be recorded on the student's official transcript. Students interested in a double major should contact the Associate Vice President for Enrollment Management for additional information.

Class Attendance

The University expects all students to attend class regularly. Students are responsible for course work covered during all class periods, including the first class meeting. Each instructor will record absences and deal with them in a manner consistent with departmental policy for that course. Since attendance policies vary among departments and for courses within departments, students must be familiar with the policy printed on the course syllabus.

If a student presents the instructor with an adequate and documented reason for an absence, the instructor normally will give the student an opportunity to make up the work missed, if this is feasible. Adequate reasons involve circumstances beyond the student's control, such as personal illness, critical illness or death in the immediate family, or participation in an approved University activity. It is the student's responsibility to initiate the request to make up class work missed.

Rescheduling of Final Examination

If a student is scheduled for more than three final examinations on the same day, the student may request, through the college dean, that the fourth examination be rescheduled.

Schedule Changes

If students wish to add courses to their schedule, they must do so by the date published in the *Schedule of Classes Bulletin* for that term.

If a student drops a course by the end of a term's Schedule Change Period, the course will not appear on the student's grade report or transcript.

With the advisor's approval, a student may officially withdraw from a course from the end of the Schedule Change Period to the course's midpoint. (The midpoint of full-semester courses is the eighth week; the midpoint of a part-semester course is printed on the course syllabus.) A student will be assigned a grade of "W" for a course withdrawn from, and a "W" will appear on the grade report and transcript. Refer to Part II of this *Catalog* for the University's Refund Policy. Refer to the current *Schedule of Classes Bulletin* for deadlines and schedule change fee information.

After the eighth week, or midpoint, a student who is the victim of extraordinary circumstances may petition through either the Associate Vice President for Enrollment Management (undergraduate student) or the Associate Vice President for Planning and Program Coordination (graduate student) for an administrative withdrawal from a class. The deadline for filing a petition for withdrawal under extraordinary circumstances is the last day of the full semester following the term from which the student is seeking withdrawal. The student should prepare a written petition and should include *justification and documentation* for the withdrawal. If approved, the Registrar will assign the grade of "W" and will notify the instructor of the class.

Faculty will inform students of their academic progress prior to the last day from which they may withdraw from a course.

Students who are assigned a grade of "F" in a course due to academic dishonesty will not be permitted to withdraw from the course.

Withdrawal from the University

Students finding it necessary to withdraw from the University must request an official withdrawal at the Registrar

Records Office, Coates Administration Building, Room 15. A withdrawal is granted only through the eighth week of classes during a regular semester or through the midpoint of any intersession, summer session, or nonstandard course. A grade of "W" is assigned. Students who leave the University without an official withdrawal are subject to the grade of "F."

After the eighth week, a student who is the victim of extraordinary circumstances may petition through either the Associate Vice President for Enrollment Management (undergraduate student) or the Associate Vice President for Planning and Program Coordination (graduate student) for an administrative withdrawal from the University. The deadline for filing a petition for withdrawal under extraordinary circumstances is the last day of the full semester following the term from which the student is seeking withdrawal. The student should prepare a written petition and should include *justification and documentation* for the withdrawal. If approved, the Registrar will assign grades of "W" and will notify the instructors of the classes.

Grading System

1. **Letter Grades (N.B. The grading system described in this section shall be effect through the Summer Session, 2000. For further information, see below, section 1.a.).**

Grades, which are represented by letters, are given point values as indicated:

Grade	Meaning	Grade Points Per Hour
A	Excellent	4
B	Good	3
C	Average	2
D	Poor	1
F	Failure	0
I	Incomplete	0
P	Passing	0
S	Passing	0
U	Failure	0
W	Withdrew	0
AU	Audit	0
CR	Credit Only	0
IC	Incomplete Correspondence	0
IP	In Progress	0
NC	No Credit	0
NR	Not Reported	0

1.a. Beginning with the Fall 2000 semester, the following grading system will replace the one described above:

Grade	Meaning	Grade Points Per Hour
A	Exceptionally High Achievement	4.00
A-		3.67
B+		3.33
B	High Achievement	3.00
B-		2.67
C+		2.33
C	Average Achievement	2.00
C-		1.67
D+		1.63
D	Poor Achievement	1.00
D-		0.67
F	Failure	0.00
I	Incomplete	0.00
P	Passing	0.00
S	Passing	0.00
U	Failure	0.00
W	Withdraw	0.00
AU	Audit	0.00
CR	Credit Only	0.00
IC	Incomplete Correspondence	0.00
IP	In Progress	0.00
NC	No Credit	0.00
NR	Not Reported	0.00

Throughout this *Catalog*, specific grade requirements are to be interpreted precisely as stated. Thus, if a requirement specifies that a grade of at least "C" is required, a "C-" will not satisfy the requirement. If it is intended that "C-" is to be allowed, "C-" will be listed rather than "C". This applies to all specific grade requirements.

The grade point average (GPA) is based on those courses in which a student earned grades of "A," "A-," "B+," "B," "B-," "C+," "C," C-," "D+," "D," "D-," "F," or "U." To calculate the GPA, one first figures the number of hours attempted in courses numbered 100 or above that award any of these grades. Next, one obtains the total grade points for each of these courses. This is figured by multiplying the grade points for each grade by the number of credit hours of the course. For example, a student earning a "B" in ENG 101, a three-hour course, would earn nine grade points. Finally, the total grade points are divided by the hours attempted. To meet graduation requirements of at least a 2.0 GPA, students must earn at least twice as many grade points as they have hours attempted.

An instructor shall assign a grade of "I" if the instructor believes that the student has been unable to complete the course on time because of unavoidable conditions. The student must complete such a course by the end of the next full-length (i.e., fall or spring) term. If the student does not do so, the "I" grade becomes an "F."

Instructors may assign a grade of "IP" in certain approved courses in which it might reasonably take students more than a single semester to complete all requirements. A student assigned an "IP" grade for internship, practicum, or self-paced courses must complete requirements within the calendar year after the "IP" is awarded to receive credit. If requirements are not completed, the Registrar will change the "IP" grade to "NC" (NO CREDIT), and the student must register again for the course to receive credit.

2. **Pass-Fail ("P" - "F") Option**

The Pass-Fail option encourages students to take courses they might otherwise avoid because of lack of background or concern for lowering their grade point average (GPA).

Students who have earned 30 or more semester hours of credit with a minimum GPA of 2.0 may choose the Pass-Fail ("P" - "F") option for a total of 15 hours of free electives. These hours must be exclusive of general education, major, minor, and other course requirements for graduation. Eligible courses must belong exclusively to the category, free electives. Hours passed under the Pass-Fail option will not be used in the computation of GPA's; however, hours failed ("F") will be used.

Students may choose the Pass-Fail option for one course per semester with a maximum of five credit hours per semester. Students may repeat a course using the Pass-Fail option only if the previous taking was also Pass-Fail.

Students may select the Pass-Fail option when they register, and they may change to or from the Pass-Fail option up to the date specified in each semester's *Schedule of Classes Bulletin*. Refer to the registration form for signatures needed to take a class Pass-Fail.

3. Auditing Courses

A student may audit a course (i.e., take it without credit) with the permission of the instructor and the dean of the college involved. Registration procedures and fees are the same as for courses taken for credit. Students enrolled for audit must comply with the attendance policy of the instructor, or no course entry will be made on their academic record.

4. Grade Appeals

If a student believes that the final grade assigned in a course is unjustified, that student should consult the instructor, seeking a satisfactory explanation. If, after doing so, the student still feels that the grade is unjustified, the student may appeal the grade, in writing, to the department chair. A written appeal must be filed with the chair within 30 days after the beginning of the next semester (exclusive of intersession and summer session). Refer to the *University Handbook for Students* for the complete policy concerning grade appeals.

5. Repeating Courses with Grade Replacement

Beginning with Fall 1997, undergraduate students may repeat up to six college-level courses in which they earned grades of "C", "C-," "D+", "D," "D-," "F," or "U." In those six cases, the grades earned in the later takings will replace those of the earlier.

Grade replacement will be applied to the first six courses a student repeats, whether they are first repeats or approved second or subsequent repeats. However, no more than six grades will be replaced in a student's entire undergraduate career at Eastern Kentucky University. Any grade received from a seventh or subsequent repeat will be excluded from the student's GPA calculation.

If a student attempts to repeat a course and replace the grade but then withdraws from the course, the taking will not be counted among the six for which grade replacement is available.

The grade earned in a course taken at another institution will not replace a grade earned at Eastern. A grade of "S," "CR," or "P" will not replace a grade of "C", "C-", "D+", "D," "D-", or "F" (earned in normal grading) for calculating the GPA. A "P" will replace an "F" when the "F" was earned under the Pass/Fail option.

6. Grade Change

All grade changes must be made by the following deadlines: for fall semester grades - the last day of the following spring semester; and for spring, intersession, and summer semester grades - the last day of the following fall semester.

7. Changes to Transcript

Once a degree has been posted to the transcript, changes will not be made to courses or grades that were earned prior to the posting of the degree.

Academic Honesty

The University faculty have the right to expect students to adhere to the principles of academic honesty.

Therefore, academic dishonesty will not be tolerated. Depending upon the seriousness of the infraction, students found guilty of plagiarizing or cheating will be sanctioned in any of several ways. These normally range from receiving a failing grade on the assignment to being assigned a failing grade in the course; however, if the case is assigned to the Student Disciplinary Council, stronger sanctions are possible.

For a full description of what is considered plagiarizing and cheating, refer to the section entitled Academic Honesty Policy in the *University Handbook for Students*.

Reenrolling in Courses

A student may enroll in the same course for a third or subsequent time only under unusual circumstances and with the written permission of the dean of the college of the student's first major. If a student enrolls in a course for a third or subsequent time without approval, the student will be administratively withdrawn from the course. Refer also to Repeating courses with Grade Replacement and Developmental Requirements in this section.

CARES Report

A CARES report is issued to students, advisors, and college deans each fall and spring. It shows the requirements for the student's program and how completed and in-progress courses apply to that program.

Correspondence Credit

Students with a 2.0 grade point average (GPA) or higher may earn up to 32 semester hours of credit through correspondence courses for a baccalaureate degree and 16 semester hours for an associate degree. Students majoring in the College of Education are required to have an overall GPA of 3.0 to be considered for enrollment in a correspondence course. Students who wish to enroll in a correspondence course should confer with the Office of Extended Programs and read the *Correspondence Course Bulletin* for policies and restrictions.

Study Abroad Programs

Students may study in English-speaking countries abroad through the Cooperative Center for Study Abroad (CCSA), a consortium of twenty-three colleges and universities from Alabama, Idaho, Kentucky, Mississippi, Oregon, Pennsylvania, and Tennessee. During the winter break, CCSA offers courses in London, England and Australia; during the summer break, mid-May through early August, both two-and-one-half and four-and-one-half week courses are offered in Ireland, Scotland, England, Australia, Canada, New Zealand, and South Africa. A fall semester program is offered in Cambridge, England. Costs vary according to program. Students in these programs enroll and earn credit through EKU. For more information, contact the Office of International Education, the Dean of the College of Arts and Sciences.

Dean's List

The Dean's List is one of several ways in which the University recognizes students who achieve academic excellence. The Dean's List is published after each regular semester. Eligibility requirements for the Dean's List are as follows:

Hours Attempted with Regular Grading	Minimum GPA
12	3.75
13	3.65
14 or more	3.50

Students attempting fewer than 12 semester hours under the regular grading system are not eligible for the Dean's List.

Courses below the 100 level will not be counted in determining eligibility for the Dean's List.

Dean's Award

As a further recognition of academic excellence, the University presents the Dean's Award to students who have achieved the Dean's List three times. Students receiving the Dean's Award are presented with a recognition pin by the appropriate academic dean.

President's Award

As a further recognition of academic achievement, the University presents the President's Award to students who enroll for a minimum of 12 credit hours, with regular grading, and who attain a 4.0 grade point average for the semester. Students receiving the President's Award receive a letter of recognition from the President. In addition, the Division of Public Relations and Marketing distributes the names of the recipients to appropriate news media, including their hometown newspaper.

Minimum Scholastic Standards

Students are expected to maintain at least a 2.0 cumulative grade point average (GPA). The conditions and actions described below pertain to students whose GPA's fall below 2.0.

A. **Academic Warning** - A student will be on academic warning when his or her cumulative GPA is less than 2.0 but is above the value listed below for the number of hours the student has attempted. A student on academic warning may enroll for a maximum of 16 credit hours during a fall or spring term and a maximum of 6 hours during summer session.

B. **Academic Probation** - A student will be on academic probation when his or her cumulative GPA is less than the value listed for the number of hours the student has attempted.

Hours Attempted	Cumulative GPA
9 - 32	1.5
33 - 64	1.7
65 - 80	1.9
More than 80	2.0

A student on academic probation may enroll for a maximum of 13 credit hours during a fall or spring term and a maximum of 6 hours during a summer term. A student will be removed from probation after the probationary semester by raising his or her cumulative GPA above the listed value. If the student does not do so, he or she may be continued on probation by earning a semester GPA of at least 2.2 during a probationary semester.

Special Notice: Students having difficulty meeting the Scholastic Standards are strongly advised to reduce or eliminate part-time jobs and other extracurricular activities which may detract from their studies, or to reduce the number of hours for which they are enrolled.

C. **Dismissal** - A student will be dismissed from the University following a probationary semester in which he or she is neither removed from nor continued on probation (see above). The dismissal period for a first dismissal following a fall semester is the spring semester; following a spring semester it is intersession, summer session, and the fall semester. The dismissal period for a second dismissal is one calendar year and for a third dismissal two calendar years, after which the dismissed student may be eligible for academic bankruptcy (see below).

During a dismissal period, a student will be ineligible to enroll for any credits at Eastern; furthermore, the University will not accept any transfer course work earned during this period.

A student dismissed under this policy may appeal the dismissal in writing to the University Admission Committee if the student believes the dismissal was the result of catastrophic circumstances beyond his or her control.

Readmission Under Special Conditions

1. **Academic Bankruptcy of Eastern Work**

Academic bankruptcy allows undergraduate students who are returning to Eastern after remaining out for an extended period to void a portion of the work attempted during one or more semesters of the prior enrollment(s). Eastern offers this option because it recognizes that some students fail to perform satisfactorily due to immaturity or to other factors that interfere with their academic performance.

To qualify for bankruptcy, a student must meet the following conditions:

(a) The student must not have attended Eastern or any other institution of higher education for a period of at least two years sometime after attempting the work to be bankrupted.

(b) After being readmitted, the student must attain a minimum of a 2.0 GPA with no grade lower than a "C" (not "C-") on all college-level (i.e., 100 or above) Eastern work through the term in which the twelfth hour is attempted. All courses and grades, including repeated courses, will be counted in computing the GPA.

(c) The student must state, in writing, his or her intention to declare bankruptcy to the Office of the Registrar. The student will also specify which semesters are being requested for bankruptcy. Students may

request to bankrupt any or all semesters of their prior work, but all work from a given semester will be bankrupted if the student requests to bankrupt that semester and if the request is approved.

(d) The student may not have previously declared bankruptcy of Eastern work.

(e) The term noted above in which the twelfth hour is attempted must be spring 1986 or more recent.

If bankruptcy is granted, the bankrupted work will remain on the transcript; but it will not be counted in the student's GPA and will not count toward degree requirements, including the upper division hours requirement. However, the dean of the college in which the student is enrolled may waive major, supporting, and general education requirements met by bankrupted courses in which the student received at least a "C" or higher grade (but not "C-"), while requiring the student to substitute elective courses equivalent in hours to those waived.

All academic course work, including bankrupted work, will be counted in computing graduation with honors.

2. Academic Bankruptcy of Transferred Work

Academic transfer bankruptcy allows undergraduate students who have been out of higher education for an extended period to void a portion of their earlier work attempted at other institutions. Eastern offers this option because it recognizes that some students fail to perform satisfactorily due to immaturity or to other factors that interfere with their academic performance.

To qualify for transfer bankruptcy, a student must meet the following conditions:

(a) The student must not have attended Eastern or any other institution of higher education for a period of at least two years sometime after attempting the work to be bankrupted.

(b) After being admitted, the student must attain a minimum of a 2.0 GPA with no grade lower than a "C" (not "C-") on all college-level (i.e., 100 or above) Eastern work through the term in which the twelfth hour is attempted. All courses and grades, including repeated courses, will be counted in computing the GPA.

(c) The student must state, in writing, his or her intention to declare transfer bankruptcy to the Office of the Registrar. The written petition must identify the institutions from which work is to be bankrupted, as well as the specific semesters that are to be bankrupted. Students may request to bankrupt any or all semesters of prior work, but all work from a given semester will be bankrupted if the student requests to bankrupt that semester and if the request is approved.

(d) The student may not have previously declared transfer bankruptcy at Eastern.

(e) The term noted above in which the twelfth hour is attempted must be fall 1987 or more recent.

If transfer bankruptcy is granted, the bankrupted work will remain on the transcript; but it will not be counted in the student's GPA and will not count toward degree requirements, including the upper division hours requirement. However, the dean of the college in which the student is enrolled may waive major, supporting, and general education requirements met by bankrupted courses in which the student received a "C" or higher grade (but not "C-"), while requiring the student to substitute elective courses equivalent in hours to those waived.

All academic course work, including bankrupted work, will be counted in computing graduation with honors.

Concurrent Degrees

A student may qualify to earn two degrees concurrently by completing all requirements for both degrees, including major, supporting, and general education requirements. Courses used in one degree program may also be used in the other. The minimum number of hours that must be earned for two associate degrees is 80; the minimum for two baccalaureate degrees is 160. The minimum number of hours required for concurrently earning an associate and a baccalaureate degree is the number required by the baccalaureate degree.

It is the student's responsibility to file a graduation application for each degree being sought. If the two degrees are in the same college, the student must file two applications in the office of the college dean. If they are different colleges, one application must be filed in each dean's office. See "Application for Graduation" below.

Subsequent Degrees

Students having earned one degree, either from Eastern or from another regionally accredited institution, may subsequently pursue an additional degree, either associate or baccalaureate, by completing all requirements of the subsequent degree, including major, supporting, and general education requirements. While some of the hours earned from the earlier degree may count toward the subsequent degree, students must earn at least 16 approved semester hours for an associate degree beyond those required for the earlier degree. A subsequent baccalaureate degree requires at least 32 approved hours beyond those required for the earlier degree. Hours for both degrees must be taken at Eastern or, as approved by the dean of the college awarding the subsequent degree, at another regionally accredited institution.

Graduation

Application for Graduation

Students completing requirements for graduation in December should apply before the end of the preceding April. May and August graduates should apply by the end of the preceding October.

Appropriate ceremonies are held at the close of the fall and spring semesters and the summer session. Students who are candidates for degrees are encouraged to participate in the ceremony.

Students who complete degree programs in December are invited to participate in the May commencement exercises. However, they will be mailed their diplomas after the end of the fall semester. A reception is held in December to honor those completing degree programs during the fall semester.

Honors for Baccalaureate Degree Graduates

Students are graduated Summa Cum Laude if they attain a cumulative grade point average (GPA) of 3.9 or higher on all semester hours transferred to and attempted at Eastern and if they complete a minimum of 64 hours at Eastern.

Students are graduated Magna Cum Laude if they attain a cumulative GPA of at least 3.7 but less than 3.9 on all semester hours transferred to and attempted at Eastern and if they complete a minimum of 64 hours at Eastern.

Students are graduated Cum Laude if they attain a cumulative GPA of at least 3.5 but less than 3.7 on all semester hours transferred to and attempted at Eastern and if they complete a minimum of 64 semester hours at Eastern.

Students are graduated as Honors Scholars if they successfully complete Eastern's Honors Program, satisfy all comprehensive and program requirements for an undergraduate degree from this University, and graduate with a cumulative GPA of at least 3.0.

For purposes of honors recognition, all semester hours transferred to and attempted at Eastern, including those which are subsequently repeated or bankrupted, will be used in calculating GPA's. Honors for the graduation ceremony do not include the final semester's course work. Honors for the diploma and transcript will include the final semester.

Honors for Associate Degree Graduates

Students are graduated With High Distinction if they attain a cumulative grade point average (GPA) of 3.7 or higher on all semester hours transferred to and attempted at Eastern and if they complete a minimum of 32 semester hours at Eastern.

Students are graduated With Distinction if they attain a cumulative GPA of at least 3.5 but less than 3.7 on all semester hours transferred to and attempted at Eastern and if they complete a minimum of 32 semester hours at Eastern.

For purposes of honors recognition, all semester hours transferred to and attempted at Eastern, including those which are subsequently repeated or bankrupted, will be used in calculating GPA's.

PART 4 Academic Divisions

Course Prefixes

AHO 100	Academic Orientation
ANO 100	Academic Orientation
ATO 100	Academic Orientation
CBO 100	Academic Orientation
CHO 100	Academic Orientation
CSO 100	Academic Orientation
EDO 100	Academic Orientation
GSO 100	Academic Orientation
LEO 100	Academic Orientation
NMO 100	Academic Orientation

ACC	Accounting
ACS	Administrative Communication and Services
ADM	Apparel Design and Merchandising
AFS	Aerospace Studies (Air Force ROTC)
AGR	Agriculture
AHN	Allied Health and Nursing Interdisciplinary
ANT	Anthropology
APS	Assets Protection
ART	Art
ASL	American Sign Language
AST	Astronomy
AVN	Aviation
BEM	Broadcasting and Electronic Media
BIO	Biology
CAH	Arts and Humanities Interdisciplinary
CDF	Child and Family Studies
CHE	Chemistry
CIS	Computer Information Systems
CLS	Clinical Laboratory Science
CLT	Clinical Laboratory Technology
CNM	Natural and Mathematical Sciences Interdisciplinary
COM	Communications
CON	Construction Technology
COR	Correctional and Juvenile Justice Studies
CRJ	Criminal Justice
CSC	Computer Science
EAD	Educational Administration
ECO	Economics
EDF	Educational Foundations
EET	Electricity and Electronics Technology
EHE	Higher Education
EHS	Environmental Health Science
ELE	Elementary Education
EMC	Emergency Medical Care
EME	Elementary and Middle Grade
EMG	Middle Grade Education
EMS	Elementary, Middle Grade, and Secondary Education
ENG	English
COU	Counseling
EPY	Educational Psychology
ESE	Secondary Education
FCC	Foreign Culture and Civilization
FCS	Family and Consumer Sciences
FIN	Finance
FLS	Foreign Language Studies
FOR	Forensic Science
FRE	French
FRM	Family Resource Management
FSE	Fire and Safety Engineering Technology
GBU	General Business
GCS	Interpersonal Skills and Career Counseling
GEO	Geography
GER	German
GLY	Geology
GRE	Greek
GSD	Student Development
GSL	Learning Skills
HCA	Health Care Administration
HEA	Health Education
HIS	History
HNF	Health Information
HON	Honors Program
HPR	General Physical Education and Lifetime Activities
HUM	Humanities
IDH	Interior Design and Housing
INS	Insurance and Risk Management
ITA	Italian
ITP	Interpreter Training
JOU	Journalism
JPN	Japanese
LAS	Paralegal
LAT	Latin
LIB	Library Science
LPS	Loss Prevention and Safety
MAR	Marine Sciences
MAS	Medical Assisting Technology
MAT	Mathematics
MFG	Manufacturing Technology
MGT	Management
MIL	Military Science
MKT	Marketing
MUS	Music
NAT	Natural Science
NFA	Nutrition, Foods, and Food Administration
NSC	Nursing (Baccalaureate)
NUR	Nursing (Associate)
OHO	Ornamental Horticulture
OTS	Occupational Therapy
PAD	Police Administration
PHE	Physical Education
PHI	Philosophy
PHY	Physics
PLA	Planning
POL	Political Science
POR	Portuguese
PSY	Psychology
PUB	Public Relations
REC	Recreation and Park Administration
REL	Religion
RST	Real Estate
RUS	Russian
SCI	Science
SED	Special Education
SOC	Sociology
SPA	Spanish
SPE	Speech Communication
STA	Statistics
SWK	Social Work
TEC	Technology, General
THE	Theatre Arts
TNT	Travel and Tourism
TRS	Traffic Safety
TTE	Technology Teacher Education
VIT	Vocational Industrial Teaching
WMS	Women's Studies

Course Numbering

Courses are numbered according to the following plan:

000-099 are remedial non-degree credit courses
100-199 are primarily for freshmen
200-299 are primarily for sophomores
300-399 are primarily for juniors
400-499 are primarily for seniors
500-599 are primarily for seniors and are linked with 700 level courses
700-899 are for graduate students only

A student may not take a course numbered more than one year above his/her classification level without advisor permission. To take courses numbered 300 and above in the College of Business and Technology, see the College of Business and Technology section for requirements.

Special approval must be obtained from the dean of the college offering a 500-level course in order for junior level student to enroll. (Students of less than junior status or unapproved juniors cannot be admitted to a 500-level course and will be disenrolled by the Registrar if such an enrollment occurs.)

Course Descriptions

The semester hours which may be earned by successful completion of a course are indicated in parentheses immediately following the course title, e.g., (3).

I, II, and A used in the description of a course indicate the course will be offered the fall semester, spring semester, and by announcement, respectively. A course is offered during the indicated semester or by announcement on the assumption there will be adequate enrollment. If a course does not obtain adequate enrollment, it is subject to cancellation. The University reserves the right to cancel any course if the enrollment is not sufficient, to divide a course if the enrollment is too large for efficient instruction, and to change instructors when necessary.

The description of the course format for courses which include a laboratory experience is found at the end of the course description. A course which consists of three hours of classroom lecture and two hours of laboratory per week is described as "3 Lec/2 Lab."

Courses approved for general education are noted as such by the phrase "Gen. Ed." and a number following the course description. The number refers to the general education category to which the course may be applied. See General Education Requirements in Part 3.

The Office of Enrollment Management

Dr. Rita Davis, Associate Vice President
(606) 622-3047

DEPARTMENT / AREA	CONTACT PERSON	PHONE
Academic Advising	Dr. L. (Penny) Benzing, Director	(606) 622-3311
Admissions	Mr. James L. Grigsby, Director	(606) 622-2106
International Education and Foreign Student Advising	Dr. Neil Wright, Director	(606) 622-1478
Registrar's Office	Ms. Jill Allgier, Registrar	(606) 622-3876
Student Financial Assistance	Ms. Susan Luhman, Director	(606) 622-2361
Testing	Dr. Joanna Dickey, Director	(606) 622-2928

The Office of Enrollment Management coordinates two kinds of activities: undergraduate academic support activities and academic programs that seek to benefit the entire undergraduate student body.

Academic support is provided at various stages of students' careers by the Offices of Admissions, Advising and Testing, the Registrar, Student Financial Assistance, and International Education. In addition, the Office programs and maintains the CARES (degree audit) system of the University and the coordination of orientation programs.

Academic programs benefitting all undergraduates include the general education and developmental programs, as well as programs in and international education.

For courses in Career Counseling and Interpersonal Effectiveness (GCS), Student Development (GSD), Orientation for Undeclared Students (GSO), and Honors (HON), See Part 5 of this *Catalog*.

Academic Advising

The Office of Academic Advising is responsible for providing administrative support to and coordination of the University's undergraduate advising system. Every Eastern undergraduate is assigned an advisor. Selected departmental faculty serve as advisors to students with declared majors; other faculty serve as advisors for undeclared students.

In conjunction with the Office of Student Affairs, the Office is responsible for the Freshman Summer Orientation Program. Over 2,500 freshmen and transfer students are advised and registered each summer through this program.

Admissions

The Office of Admissions is responsible for recruitment and admission of qualified students to Eastern Kentucky University. This office is also responsible for the processing of applications for new as well as readmitted students and international students. Students who have questions regarding their residency status may address their inquiry to the Office of Admissions.

International Education and Foreign Student Advising

There is a growing awareness of the need for greater international and inter-cultural understanding. The University provides assistance and attempts to foster a greater commitment and involvement in international education throughout the institution.

Eastern Kentucky University has about 200 international students studying at both the undergraduate and graduate levels. These students represent approximately 40 nations. The Director of International Education (Foreign Student Advisor) serves as the designated University official to assist all international students with their legal requirements and their relations with the United States Office of Immigration and Naturalization Services and other official agencies. The director may also advise and assist international students with other needs as they arise.

Some inter-cultural activities and services provided by the Division of International Education include an orientation for new students, a monthly newsletter, a monthly Cross Cultural Mixer, an International Nights Series, international dinners, three international students' organizations (ISA, ASIA, AFRICA), an annual culture festival, a weekly International Film Series, and an International Speakers' Bureau. The Division also awards scholarships to international students each semester.

The Division of International Education also promotes the Eastern Kentucky Study Abroad programs for American students and faculty. Current information on international study, travel, and exchange programs is available. Eastern participates in two study abroad programs: (1) Cooperative Center for Study in Britain (CCSB) which offers courses during Christmas vacation in London, a two-week course in May in Ireland, five-week courses in the summer in England, a junior-year abroad program, and a semester in Oxford program; (2) Kentucky Institute for International Studies (KIIS) has summer study programs in Austria, France, Germany, Italy, Mexico, and Spain.

For more information, contact the Director of International Education, Eastern Kentucky University, 521 Lancaster Avenue, 181 Case Annex, Richmond, Kentucky 40475-3102, or call (606) 622-1478.

Minor

Minor in International Studies
Office of International Education

Globalization of the economy, cross-cultural relations, world-wide media, ecological crises, and political transformations are all making international studies more important in this rapidly changing world. As such, the international studies minor encourages students to begin thinking and acting within a global perspective, in order to meet these current challenges. Courses in the minor deal with topics as diverse as the relations of the United States with other countries, international economics, and cultures and religions of Latin America or Asia.

The minor consists of 21 credit hours across a number of disciplines, providing a broad-based, general exposure to international issues through a solid set of three core courses. A commitment to foreign language and/or international experience is an integral part of the minor. A wide range of electives rounds off the minor.

Core Courses: ..... **9 hours**
GEO 345, HIS 347, POL 220

Study Abroad or Foreign Language ..... **6 hours**
Six credit hours from either a Study Abroad course (through EKU or another accredited university, with credit transferred back to EKU), or six credit hours of foreign language at or above the 200 level. Students may split this requirement by taking 3 credit hours of Study Abroad and 3 credit hours of a foreign language at or above the 200 level.

Electives ..... **6 hours**
Six credit hours from among the following courses (Note: many of these courses, including all College of Business upper division courses have prerequisites): ANT 325, 435, COM 300, COM 345 or ENG 345, ECO 394, 395, EME 530, FCC 220, 222, 226, 227, FIN 330, 455, GBU 201, GEO 202, 322, 347, HIS 320, 350, 354, 365, 375, 378, 384, 474, 475, HUM 300, MGT 430, MKT 400, PHI 330, POL 220, 310, 312, 313, 315, 316, 325, 327, 410, 417, 495, REL 301, 335, 340, 345, 355, SPE 375, TNT 300 (International topics only).

Office of the Registrar

The Office of the Registrar is responsible for services which assist the students, alumni, and university personnel with the preparation of the schedule of classes, the enrollment of students, the preparation, maintenance, security and delivery of the academic records of the University, the preparation of enrollment and athletic reports as required, the preparation of the commencement exercises dealing with diploma delivery, the academic honors program, the dean's award, the administration of the minimum scholastic standards policy of the University, and maintaining room assignments for all classes.

Continuing students should report to the Office of the Registrar for the following assistance: schedule books; grade reports; transcripts; completion of insurance, governmental, and bank loan forms; class standing; military credit evaluation; name/address changes; withdrawals; and information concerning the academic standards and academic honors programs.

Baccalaureate Degree

Individualized Studies, Bachelor Degree

The Bachelor of Individualized Studies (B.I.S.) Degree is administered by the Dean of Undergraduate Studies. It is intended for students whose goals extend beyond traditional majors and whose integrative abilities permit them to plan and follow a personalized, unique program. A student who wishes admission to the Bachelor of Individualized Studies Program should have, in the semester of admission, a minimum of 30 semester hours with a minimum GPA of 2.0. The application must be submitted to the Dean of Undergraduate Studies who will assist the student in finding a program advisor. The Dean will inform the applicant concerning admission status after the program advisor submits an acceptable plan of study which conforms to the program requirements.

Major Requirements ..... **36 hours**
A minimum of 36 hours in the area of emphasis is required with 18 of those hours being upper division. A senior project is mandatory. A maximum of 18 semester hours from a single academic discipline will be applied to the Area of Emphasis. The student must enroll in at least 21 semester hours (including the senior project) following the approval of the BIS Program.

General Education Requirements ..... **51 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements. General Education hours cannot be counted in the Area of Emphasis.

University Requirements ..... **4 hours**
GSO 100 and three hours of restricted electives.

Free Electives ..... **37 hours**

Total Curriculum Requirements ..... **128 hours**

Financial Assistance

Financial assistance is available to help students offset the cost of their college education. There are five types of financial aid: grants, loans, employment, entitlements, and scholarships. The grants, loans, and federal work study programs are need-based. To determine how much money and for which programs the student qualifies, he/she must complete the Free Application for Federal Student Aid and an EKU institutional form Request for Aid.

Entitlements include resources from the Veterans Administration and Vocational Rehabilitation. Scholarships are awarded from the University as well as outside sources. For information regarding entitlements and scholarships, the student should contact the Division of Student Financial Assistance. This office can guide the student to the proper source depending on what type of entitlement or scholarship the student is interested in pursuing. For scholarship information, the student should contact the Scholarship Office in the Division of Student Financial Assistance, (606) 622-2361.

The Division of Student Financial Assistance deals primarily with the need-based federal programs: grants, loans, and employment. For more information, please see the "Guide For Meeting Your Educational Expenses". Call the Division of Student Financial Assistance to request a copy. They can be reached at (606) 622-2361.

Academic Scholarships

Eastern Kentucky University offers a range of academic scholarships designed to reward scholastic achievement and enhance the University Community through the attraction of academically talented students.

Unless noted otherwise in the specific description, each of these scholarships is awarded for eight consecutive regular semesters of full-time undergraduate work, provided a satisfactory grade point average is maintained.

In addition to the general scholarship program described below, the University also awards a number of scholarships funded through private funds administered in the Eastern Kentucky University Foundation. These scholarships are listed in the university's *Invitation to Live and Learn* bulletin. Students need only to complete the scholarship application form to be considered for all scholarships the University awards.

Some discipline specific scholarships are awarded based on selection processes within the appropriate academic department. If the department housing the major indicated on the application form awards such scholarships, you will receive information from that department.

In addition to completing the scholarship application, it is also necessary to apply for admission to the University and, if appropriate, for financial aid. All necessary forms are available through the Division of Admissions. If you have a question, or need forms, please call 1-800-465-9191, or send an e-mail message to admgrisby@acs.eku.edu.

Except for the book award to participants in the Honors Program, the University does not make multiple awards of the described scholarships. Recipients will receive the highest award for which they apply, are eligible and selected.

The following information is applicable to freshmen enrolling at Eastern Kentucky University for the first-time in the Fall semester, 1999.

Commonwealth Scholar Award

Recipients:
Awarded automatically to National Merit Finalists and National Merit Scholars.
Benefits and Conditions:
Provides a full scholarship (in-state tuition, activity fee, double occupancy residence hall room, 19-meal per week board plan, and books-on-loan). Requires maintenance of a 3.0 grade point average to retain.

EKU Honor Award

Recipients:
Awarded automatically to National Merit Semifinalists and students with an ACT Composite score of 31 or higher and a minimum high school grade point average of 3.75.
Benefits and Conditions:
Provides an award equivalent to in-state tuition, activity fee, double occupancy residence hall room, and 10-meal per week board plan. Requires maintenance of a 3.0 grade point average for retention.

EKU Founders Scholarship

Recipients:
Awarded automatically to persons with ACT composite scores of 29 or 30 and a minimum high school grade point average of 3.75.
Benefits and Conditions:
Provides equivalent of in-state tuition and student activity fee plus double occupancy residence hall room. Requires maintenance of a 3.0 grade point average to retain.

Regents Scholarship

Recipients:
Requires a minimum grade point average of 3.75 and a minimum ACT composite of 25. Students who meet these criteria and were also participants in the Governor's Scholars Program or who complete requirements for the Commonwealth Diploma will receive this scholarship automatically. Governor's Scholars Program participants will be sent award letters automatically. If the acceptance response indicates an eligibility for a higher award as described in this section, the scholarship will be upgraded. Eligible Commonwealth Diploma recipients who do not qualify for a higher award must have a school official send documentation of the Commonwealth Diploma, grade point average, and ACT composite following graduation. Students who are not automatic qualifiers but who meet the grade point average and ACT composite minimums will be considered for awards made on a competitive basis.
Benefits and Conditions:
Provides equivalent of in-state tuition and student activity fee. Requires maintenance of a 3.0 grade point average for retention.

Presidential Scholarship

Recipients:
Awarded automatically to high school valedictorians and to incoming freshmen accepted into the Honors Program who have not been offered another scholarship. Applicants who qualify for Regents Scholarship consideration on a competitive basis, but do not receive a Regents Scholarship will be offered this award. It is also awarded on a competitive basis to other high school graduates based on rank in class, grade point average, and ACT composite score. Also awarded on a competitive basis to transfer students from junior and community colleges who make application through the Division of Admissions. Awards to transfer students are for four semesters.
Benefits and Conditions:
Provides one-half of the equivalent of in-state tuition and student activity fee. Requires maintenance of a 2.5 grade point average to retain.

J. W. Thurman Alumni Scholarship

Applicants who are children of EKU Alumni or who are recommended by alumni are given priority for these

scholarships, awarded by the EKU National Alumni Association. Applicants must score at least an 18 composite on the ACT exam and have a minimum high school grade point average of 3.0. Applicants may use the University's standard scholarship form and check the block indicating the application is for the J. W. Thurman Alumni Scholarship, and mail the application to: EKU National Alumni Association, Richards Alumni House, EKU, 521 Lancaster Ave., Richmond, KY 40475-3102.

Honors Program Award

Students who are accepted into the University Honors Program will receive books-on-loan for up to eight consecutive semesters, provided they remain in the Honors Program.

Commonwealth Minority Scholarship

The Eastern Kentucky University Commonwealth Minority Scholarship provides financial assistance to high-achieving minority students who are residents of the Commonwealth of Kentucky as defined by the Council on Higher Education's residency-for-fees policy. Applications may be received by contacting the Office of Multicultural Student Services, Box 130, Powell Building, Eastern Kentucky University, 521 Lancaster Ave., Richmond, KY 40475-3102.

Grants

Grants are considered gift aid and do not usually have to be repaid.

The **FEDERAL PELL GRANT** is the largest grant program. The maximum award is $3,125 for 1999-2000. The minimum grant is $400.

The **FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (SEOG)** is awarded to students who demonstrate exceptional need and priority is given to Federal Pell Grant recipients. The average Federal SEOG award at Eastern is usually $400 for the academic year.

The **COLLEGE ACCESS PROGRAM** grant is awarded to eligible Kentucky residents. The amount of this grant is determined by the Kentucky Higher Education Assistance Authority (KHEAA). It varies each year. It is given to students enrolled for a minimum of six hours. It is awarded for $46 per credit hour. Full-time students will receive $550 per semester, $1,100 for the 1999-2000 academic year.

Student Loans

The **FEDERAL PERKINS LOAN** is a 5 percent simple interest loan awarded to exceptionally needy students. This loan is made to undergraduates, as well as seniors with degree and graduate students.

Repayment begins nine months after the student ceases to be enrolled on at least a half time basis. There are certain occupations which allow a student to cancel a percentage of the money they borrow from this program. Contact the Loan Accounts office in the Jones Building, Room 213, for more information regarding the cancellation and deferment options. All first time Federal Perkins Loan borrowers must be enrolled for thirty (30) days before their first Perkins disbursement can be released.

The **FEDERAL SUBSIDIZED STAFFORD LOAN PROGRAM** is a need based program available to students taking a minimum of six hours. This loan is for undergraduates, graduate students and post-baccalaureate students. The interest rate is variable. It is set each year based on the 91 day Treasury bill plus 2.5 percent. Contact the Division of Student Financial Assistance after July 1 for the current year interest rate.

The Federal Government pays the interest while the student is enrolled at least half time. A student has six months after ceasing to be enrolled as a half time student before repayment begins.

All first time Federal Stafford Loan borrowers (subsidized as well as unsubsidized) must obtain entrance counseling before their loan applications can be certified by the Division of Student Financial Assistance at 2:00 p.m.; and also on Tuesdays and Thursdays at 4:45 p.m. If you cannot attend one of these sessions provided, you can view the counseling on the web. Go to www.finaid.eku.edu and click on the KHEAA Entrance Loan Counseling link.

It is important for you to remember that beginning July 1, 1999, the university has three (3) business days to disburse all Federal Stafford Loan proceeds. Any funds NOT disbursed within that time frame HAS to be returned to your lender. It is the student's responsibility to know when the three (3) days have elapsed.

The **FEDERAL UNSUBSIDIZED STAFFORD LOAN PROGRAM** is not based on need. It is designed for students who do not qualify for the Subsidized Stafford or for those who need additional loan money. It has the same interest rate as the Federal Subsidized Stafford Loan Program, but the student is responsible for paying the interest after receiving the first disbursement.

Remember that with all loan programs, a student cannot receive more money than his/her cost of education.

The unsubsidized and the subsidized Stafford cannot exceed the maximum Stafford loan amount allowable by a student's classification. For example:

First Year Students - $2,625 is the annual loan limit for unsubsidized and the subsidized Stafford Loan program. The U.S. Department of Education requires the school to hold all first time Stafford Loan disbursements for 30 days after the beginning of the semester.
Second Year Students - $3,500 is the annual loan limit a student can borrow.

NOTE: This is the maximum amount ($3,500) that a student working on an Associate Degree is eligible to receive.

Third and Fourth Year Students - up to $5,500 is the annual loan limit.
Graduate Students - $8,500 is the annual loan limit.

The **ADDITIONAL UNSUBSIDIZED FEDERAL STAFFORD LOAN** is another loan program for independent students who have additional loan eligibility after borrowing from the Federal Stafford Loan program. It also has a variable interest rate set annually. An independent student could borrow up to:

Freshman/sophomore maximum loan limit - $4,000
Junior/senior maximum loan limit - $5,000
Graduate student maximum loan limit - $10,000

Keep in mind that the unsubsidized Stafford and the subsidized Stafford loans combined cannot exceed the student's cost of education minus all other student financial assistance.

***Each annual loan limit is for one award year (12 month period; i.e., fall, spring, intersession and summer)**

To apply for a Federal Subsidized, Unsubsidized or Additional Unsubsidized Stafford Loan, all students must complete a Free Application for Federal Student Aid and E.K.U. institutional form - Request for Aid. After the student is evaluated for all federal programs, then his/her eligibility for the Stafford loan program is determined. The Division of Student Financial Assistance will complete the school section to inform the student the loan amount and program the student is eligible to apply for. Then the loan application is mailed to the student to complete the student section.

Seniors with degrees - Students returning to work on a second undergraduate degree are not automatically eligible for the senior annual loan limit of $5,500. Each student must submit a planned curriculum which indicates how many hours that student has toward the second degree.

The **FEDERAL PLUS LOAN** program enables parents to borrow the cost of education minus other aid for their student who is enrolled for at least 6 hours. This is not a need based loan. As long as the parent who is applying for the loan has a good credit history, the loan is usually approved. The interest rate is variable, tied to the 52 week Treasury bill plus 3.10 percent. Interest begins to accrue 60 days after the parent borrower receives the loan check. There is a separate PLUS loan application that the student and parent must complete after filing the Application for Federal Student Aid and the E.K.U. institutional application - the Request for Aid. Contact the Division of Student Financial Assistance for a PLUS Loan application.

The **STUDENT AID SOCIETY** (Emergency Loan) program is designed to provide emergency short-term loans to students. It must be repaid. Students may borrow a small amount of money on a personal note at a legal rate of interest for a one month period. Money is made available through contributions of the University, alumni, private organizations and many individual friends of the University.

You must be enrolled as a full time student, have a 2.0 ("C") overall grade point average and a good credit rating. All students are eligible to apply for these short-term loans regardless if they are receiving other forms of financial aid. You would need to complete an application form obtained from the Vice President of Financial Affairs, Eastern Kentucky University, in the Jones Building, Room 120. Allow at least two days for processing.

The loan must usually be repaid within four weeks and you are charged an interest rate of 6 percent or $2 (whichever is greater). Students who have delinquent loans will have their grades sealed in the Registrar and will not be allowed to register for the next semester. Delinquent loans will be collected through a collection agency. Any additional expenses incurred in the collection of the note will be added to the student's repayment.

Student Employment

Eastern offers its students two employment programs. One is the federal work study program which provides part-time jobs to students who have financial need as determined by the Application for Federal Student Aid. This program is federally funded. The other is the E.K.U. institutional work program. E.K.U. provides funds to employ students who want to work on-campus, but do not qualify for the federal work study.

Both of these programs employ students on a part-time basis paying federal minimum wage. Students are paid every two weeks for the hours they have worked. Their job schedule is built around their class schedule. A variety of jobs are available including typing, filing, farm work, food service, resident hall assistants, tutorial work, as well as community service jobs. An attempt is made to place students in a job that relates to their major course of study, interest, and skills. Contact E.K.U.'s Student Employment Office for more information.

Testing

Testing is responsible for the coordination, administration, and planning of the academic achievement tests that are requested by The University and education community. The types of tests provided include national standardized tests, state assessments, and locally developed exams. Eastern Kentucky University students and other registered examinees are provided the opportunity to become a test participant in a friendly and comfortable environment.

Eastern Kentucky University functions as a national test center site for such organizations and companies as the American College Test (ACT), The Chauncey Group International, Educational Testing Service, the Law School Admission Council, the National Commission for Health Education Credentialing, and the Professional Examination Service. Specific test names include: the PRAXIS Series, the School Leaders Licensure Assessment, the ACT, the National Council for Therapeutic Recreation Certification exam, the Law School Admission Test, the Certified Occupational Therapy Assistant and Occupational Therapist Registered exams, the Certified Health Education Specialist Exam, the Adult and Family Nurse Practitioners examination, and the Graduate Record Examination (Subject Tests).

State certification tests such as the Kentucky Specialty Test of Interdisciplinary Early Childhood Education and the Kentucky Specialty Test of Instructional and Administrative Practices are provided. Some other tests that are administered include: the University Writing Requirement exam, the GED, the residual ACT, and the College-Level Examination Program (CLEP) tests.

Testing services are provided to assist students in fulfilling university, state, academic program, certification, and personal career goals. Therefore, the testing program is often adjusted to meet the needs of students, the university community, state certification, professional organizations, and testing companies. Requests for information about the testing program or requests for test administrations are always welcome.

Division of Extended Programs

Dr. Kenneth R. Nelson, Director
(606) 622-2001

Because of an increasing demand for higher education by people who cannot attend classes on campus, universities throughout the nation are developing ways of delivering education at a distance. By reaching out to students, universities can educate those who wish to keep abreast of the expansion of knowledge in their field, to improve their competence in their present vocation, to prepare for a new vocation, or to continue their education for other reasons. Eastern Kentucky University's Division of Extended Programs meets these needs through extended campus classes, correspondence study, and technologically delivered courses. For information, write to the Division of Extended Programs, Eastern Kentucky University, Coates CPO 27A, 521 Lancaster Avenue, Richmond, Kentucky, 40475-3102, or call (800) 262-7493 or (606) 622-2001.

Extended Campus Courses

Eastern Kentucky University supports the philosophy that there should be a close relationship between community, schools, industries, and the University. The extended campus program is designed to serve students who are unable to enroll on the main campus. The Kentucky Council on Postsecondary Education has assigned the University a coordinating district of 22 counties, and given it the mission of providing programs and courses to citizens in the district. The University is also responsible for making programs that are unique to EKU available statewide. In fulfilling this responsibility, the University offers a wide range of courses and programs at the extended campus centers and at over 20 other sites in the coordinating district each year.

Extended Campus Centers

Fully equipped and staffed extended campus centers have been established at Manchester, Corbin, and Danville. These centers provide student services and a variety of undergraduate and graduate courses. In addition, Eastern has offices at Fort Knox, Hazard, and Somerset.

The Extended Campus offices may be contacted at the following address or by phone:

Tri-County Center, Corbin Tri-County Square Shopping Center	606-528-0551
Danville Center Danville Manor Shopping Center	606-236-6866
Manchester Center Manchester Square Shopping Center	606-598-8122
Fort Knox Office Building 63 Fort Knox	502-942-8628
Hazard Office Hazard Community College	606-439-3544
Somerset Office Somerset Community College	606-679-8501 ext. 3264

With the cooperation of Hazard Community College and Somerset Community College, Eastern offers upper-division undergraduate courses and graduate courses on their campuses. Cooperative arrangements are made with other universities to offer classes on their campuses as needed.

Distance Learning

Distance learning is a process of delivering instruction to students who are located away from the main campus. Eastern offers various distance learning courses and programs using several different methods of delivery. The primary distance learning methods used are telecourses, satellite courses, interactive courses using the Kentucky TeleLinking Network (KTLN), Internet courses, and correspondence courses. Courses are also offered online using the Internet.

KET Telecourses

Eastern Kentucky University, through its membership in the Kentucky Telecommunications Consortium and with the cooperation of the Kentucky Education Television Network (KET), offers college-level classes on television. KET is a statewide television network, and the telecourses are aired weekly on all KET stations. Each telecourse offered by Eastern is directed by a faculty member. Telecourses are treated the same as on-campus classes in regard to admission, tuition, and financial aid.

Satellite Courses

Eastern offers a number of courses each semester that are taught via satellite transmission, using the KET satellite. The extended campus centers in Corbin, Danville, and Manchester are equipped to receive the satellite transmitted courses. Most high schools and community colleges in the state are also equipped to receive satellite courses. Site facilitators monitor the classes, proctor exams, and distribute and collect materials. With satellite classes, there is one-way video (students can see the instructor) and two-way audio, by phone that allows the instructor and students to talk to each other.

KTLN Courses

The Kentucky TeleLinking Network (KTLN) is a statewide network that uses compressed video to link Kentucky's eight state universities together, as well as community colleges, extended campus centers, public schools, and various state agencies.

This method of delivery has the advantage of two-way audio and two-way video. Classes can be delivered to, or taught from, any site which has the appropriate equipment. Courses are delivered from Eastern's main campus to the extended campus sites at Corbin, Danville, and Manchester, as well as to other sites in the state, using this technology. KTLN rooms are also used to conduct meetings, workshops, seminars, and to deliver student services such as advising and information on financial aid and career planning.

Internet Courses

Eastern offers Internet-based courses for both on-campus and off-campus students who have access to the Internet. Students interested in enrolling in such courses may find them listed at <http://online.eku.edu> where instructors provide links to online syllabi. It is recommended that interested students examine the following Web sites:

- Recommended Skills for Taking an Online Course at

  <http://online.eku.edu/recommendedskills.htm>

- Policies and Information for Students Enrolling in Online Courses at

  <http://online.eku.edu/policiesinfo.htm>

Online courses are treated the same as on-campus classes in regard to admission, tuition, and financial aid.

Correspondence Courses

Eastern Kentucky University, through the Division of Extended Programs, offers a number of college correspondence courses, that may be applied toward a degree from Eastern Kentucky University or other institutions of higher education.

Correspondence courses cover the same material as courses offered on campus. Students prepare assignments and submit them to their instructor through the Extended Programs Office. The instructor then evaluates the work and returns the evaluation form with comments. This type of instruction offers an opportunity for the student to be taught on an individual basis.

The Correspondence Course Bulletin lists the courses offered through correspondence and explains the policies and procedures to be followed. Copies of this bulletin are available from the Division of Extended Programs.

College of Arts and Sciences

Dr. Dominick Hart, Acting Dean
TBA, Associate Dean

DEPARTMENT / AREA	CONTACT PERSON	PHONE
Anthropology, Sociology, and Social Work	Dr. Steven Savage, Chair	(606) 622-1644
Art	Dr. Gil Smith, Chair	(606) 622-1629
Biological Sciences	Dr. Barbara Ramey, Chair	(606) 622-1531
Chemistry	Dr. C. Frank Shaw, III, Chair	(606) 622-1456
Earth Sciences	Dr. Gary L. Kuhnhenn, Chair	(606) 622-1273
Economics	Dr. Fred Ruppel, Chair	(606) 622-1769
English	Dr. Bonnie Plummer, Acting Chair	(606) 622-5861
Foreign Languages and Humanities	Dr. Anne Brooks, Chair	(606) 622-2996
Geography and Planning	Dr. Wilma Walker, Chair	(606) 622-1418
Government	Dr. Richard Vance, Chair	(606) 622-5931
History	Dr. David Sefton, Chair	(606) 622-1287
Hummel Planetarium	Dr. Jack Fletcher, Director	(606) 622-1547
Mathematics/Statistics/Computer Science	Dr. Jaleh Rezaie, Acting Chair	(606) 622-5942
Music	Mr. Robert James, Acting Chair	(606) 622-3266
Philosophy and Religion	Dr. James Robert Miller, Chair	(606) 622-1400
Physics and Astronomy	Dr. Christopher Laird, Chair	(606) 622-1521
Psychology	Dr. Robert Adams, Chair	(606) 622-1105
Speech Communication and Theatre Arts	Mr. James Moreton, Chair	(606) 622-1315

The College of Arts and Sciences offers baccalaureate and masters programs in a wide range of disciplines encompassing the arts, the humanities, the social and behavioral sciences, and the natural and mathematical sciences. The college also offers associate degrees in paralegal studies and science for engineering; preprofessional programs in engineering, forestry, optometry, pharmacy, and medical sciences; and certificate programs in French, German, Japanese, and Spanish. The College of Arts and Sciences also is principally responsible for the university's general education program through which all University students are provided the opportunity to develop the skills, the knowledge, and the discernment essential to the full development of each person as an individual and as a member of society.

Through its many disciplines the College of Arts and Sciences strives to provide all students an excellent education with the most complete and current resources; to provide service to the University and to the community through its academic programs, through such facilities as the Hummel Planetarium, and through the professional development and cultural opportunities sponsored by the college; and to encourage and support research and scholarship in all the disciplines included in the college.

Degrees Offered

The College of Arts and Sciences offers the following baccalaureate degrees: Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Social Work, and Bachelor of Individualized Studies. The Associate of Arts is offered in Paralegal Studies and the Associate of Science in Science for Engineering.

College Degree Requirements

General University degree requirements as set forth in Part Three of this *Catalog* as well as specific course requirements set forth in the descriptive curricula must be met by students completing programs administered by the College of Arts and Sciences. In addition, individual programs have specific requirements in regard to minimum GPA's within the major, minimum number of hours to be earned at Eastern, and other matters. Students should consult with an advisor or department chair to learn the particular requirements of a program.

Program Notes: Foreign Languages, Music, Paralegal, and Social Work

Foreign Language Program

1. Certain courses may be inappropriate for students with native or near-native fluency in a particular language; therefore, written approval from the department chair must be obtained by such students wishing to enroll for credit in these courses.

2. Students must earn 30 of the last 36 hours, exclusive of student teaching, through Eastern.
3. Students who transfer credits must earn no fewer than 15 upper-division hours in the major and 9 upper-division hours in the minor at Eastern, the exact minimum to be determined by the department chair in consultation with the foreign language faculty.
4. Eastern students are required to obtain the department chair's written prior approval of any course work they plan to transfer back to Eastern for application to the major or minor.
5. A grade of "C" or higher is required in each course to be applied toward the major and minor.
6. Students in teaching programs must attain a minimum 2.5 GPA in their teaching major and minor to be recommended for student teaching.
7. All majors must pass a departmental proficiency exam which covers spoken and written language, culture, and literature; teaching majors must pass the proficiency exam to be recommended for student teaching. Students will ordinarily take the exam no later than in the first semester of their senior year.

Music Program

Admission to the Music Major Program

Students will audition in their area of performance. In order to be accepted into the program, they will be expected to demonstrate intonation, tone quality and rhythmic integrity, and musicality. Incoming students will be expected to perform two selections of contrasting styles.

Bachelor of Music in Performance

All candidates for the Bachelor of Music in Performance degree will perform a qualifying audition. Candidates will be placed on probationary status from one to four semesters or accepted as full candidates for the degree. At the end of the probationary period, the student may re-audition for full candidacy. Appeal procedures are on file in the Department of Music. The Audition Committee will consist of at least three members of the faculty including the applied teacher.

Solo Recital Performance. This degree program requires two solo recitals: a half recital (MUS 399) and a whole recital (499).

Ensemble Requirements. Each student in the Bachelor of Music degree program must be enrolled in an ensemble which reflects the student's major applied area during each semester of residence with the approval of the major applied teacher and the department chair. Pianists and organists may fulfill the requirements through accompanying.

Bachelor of Music Education

Applied Music and Honors Recital (BME)

Students in the Bachelor of Music Education (Teaching) program will register for a minimum of seven hours of applied instruction in an instrument or voice to continue every semester of residence except the practice-teaching semester. The student may present a half honors recital (MUS 499) in place of the seventh hour of applied instruction, if recommended by the applied teacher and the Applied Music Committee. Students not presenting an Honors Recital will take an extended final Jury examination. More detailed information concerning recital requirements in the Bachelor of Music Education degree may be obtained from the Department of Music.

Ensembles (BME)

Students must be enrolled for a minimum of seven semesters in ensembles which reflect the major performing specialty, as follows: 1) brass, woodwind, and percussion majors will elect Marching Band or Wind Ensemble during all fall semesters in residence and Concert or Symphonic Band during spring semesters; 2) string majors must participate in Orchestra a minimum of seven semesters; 3) keyboard majors may fulfill the seven semester ensemble requirement in either a vocal or instrumental ensemble or by accompaniment duties in the junior and senior years as specified by the keyboard faculty; and 4) vocal students will elect Concert Choir or University Singers for a minimum of seven semesters.

Students enrolling in more than three ensembles should receive permission for such participation from their applied teacher, ensemble director, and advisor.

Piano Certification Requirements

All music majors and minors, and performing arts majors, must meet piano proficiency requirements of the Department of Music. At the time of entrance, piano proficiency levels of all students must be ascertained. Instruction is provided for those who do not meet the described standards.

For a detailed description of the examination requirements, and representative examples of each item, please consult the current Piano Proficiency Guidelines available from the keyboard coordinator.

At any time during the year a student may petition to take the Piano Proficiency Examination. Successful completion of the examination exempts the students from further attendance in piano class.

Theory Placement Interview

Students will be required to take the Theory Placement Interview. The purpose of this interview is to determine eligibility of students for college level work in class piano and theory.

Applied Music

Applied music instruction is required throughout the four years of the prescribed curricula in the various degree programs. Instruction is given in individual lessons of one or two one-half hour periods per week. Applied students must complete a jury examination at the end of each semester.

Recital Attendance. Attendance at the weekly departmental recitals and master classes is a regularly scheduled part of applied music instruction for majors (MUS 101 A,B and MUS 301 A,B). Students should attend all approved University concerts and recitals.

Ensembles

Every full time music major must be enrolled each semester in a major ensemble performing in their applied major area

Paralegal Program

The paralegal programs offer a Bachelor of Arts degree in paralegal science and an Associate of Arts degree in paralegal studies. The objectives of the programs are: (1) to create, implement, and maintain a strong, flexible program directed to the quality education of occupationally competent paralegals; (2) to provide a paralegal education program that leads to employment of its graduates by a wide range of employers; (3) to provide paralegals with a well-rounded, balanced education founded on a beneficial mix of general education, theory, and practical courses stressing understanding and reasoning rather than rote learning of facts; (4) to support the general principles of ethical legal practice, professional responsibility, and the prohibitions against the unauthorized practice of law by lay person; (5) to provide an educational program which is responsive to the varied needs of the state of Kentucky and the region and contributes to the overall advancement of the legal profession; (6) to provide a program which instills respect for the legal profession and its foundations, institutions, and quest for justice; and (7) to maintain equality of opportunity in the educational program without discrimination or segregation on the grounds of race, color, religion, natural origin, or sex.

Departmental Degree Requirements

Paralegal majors (AA. B.A.) must attain a minimum grade of "C" in all "major" and "supporting" courses. A minimum grade of "C" must be earned in LAS 210 before taking LAS 220 and 320. A minimum grade of "C" must be earned in LAS 220 before being admitted to any of the other upper division requirements.

Transfer Students

Transfer students must take a minimum of 15 semester hours of paralegal (LAS) courses at Eastern to earn a paralegal degree.

Social Work Program

To major in social work a student must declare social work as a first major. To enroll in either of the practicum courses, SWK 390 or SWK 490, a student is required to complete the prerequisites for the specific course; maintain a cumulative grade point average of 2.0; attain a minimum grade of "C" in each course specified for the major and supporting courses; and apply for admission to the specific practicum course the semester prior to enrollment. For additional information, contact the practicum instructor.

Admission

Any student who is accepted by the University Admissions Office and declares their major as social work will be admitted as a pre-social work major. Admission to pre-social work does not guarantee admission to the Professional Social Work Program. For admission requirements and procedures see the Program Coordinator.

Affiliated Activities and Resources

Gulf Coast Research Laboratory

Eastern Kentucky University is affiliated with the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. This affiliation provides undergraduate and graduate students with the opportunity to take courses and conduct research in marine sciences at an established, well equipped laboratory located on the Gulf of Mexico. Students electing to study at Gulf Coast Research Laboratory do not pay out-of-state tuition.

Courses are taught only at Gulf Coast Research Laboratory, Ocean Springs, Mississippi, during the summer. The Laboratory furnishes the staff for course work and research. Applications for the program and additional information are available in the departments of Biological Sciences, Chemistry, and Earth Sciences and in the Division of Natural Areas.

Science Learning Resource Center

The Science Learning Resource Center (SLRC), a division of the College, was established for the purpose of enhancing what the student learns in the classroom via a diverse number of innovative uses of audio-video and computer assisted instruction. Instruction is on an individualized basis and is an extension of the natural and mathematical sciences courses and research efforts. The SLRC, located in the Memorial Science Building, presently contains microcomputers, printers, a plotter, a scanner, a small science library, and audio-video equipment and provides students with computer assisted instruction, computer simulations, and audio-video presentations.

Hummel Planetarium and Space Theater

The Hummel Planetarium is one of the largest and most sophisticated planetariums in the United States. It is the thirteenth largest planetarium in the United States and the third largest planetarium in the world located on a college or university campus. With its unique design, the Hummel Planetarium can show a visitor the solar system as it would be seen from anywhere on Earth or from any location up to about 9.3 billion miles into space. In addition to the stars, the planetarium can show the planets of the solar system, the sun, Moon, or any other objects that may be present such as comets, meteors, and asteroids. Video, slides, and special sound effects are used to round out a complete planetarium presentation. On special occasions, laser shows, live concerts, plays, and other things are presented in the planetarium. A Gift Shop is also located in the planetarium lobby that specializes in astronomy and space science related items. Planetarium office hours are 8:00 a.m. to 4:30 p.m. on Monday through Friday. Public Programs are presented each Thursday and Friday at 7:30 p.m. and Saturday and Sunday at 3:30 p.m. and 7:30 p.m.

Certificate Programs

Certificate in French Conversation and Culture
Department of Foreign Languages and Humanities

Prerequisites ..... **0-6 hours**
FRE 101 and 102 (or equivalent).
Requirements ..... **15 hours**
FCC 220; nine hours from FRE 201, 202, 204, 210; 320 or 350.
A grade of "C" or higher is required in each course for credit toward the certificate.
Total Curriculum Requirements ..... **15-21 hours**

Certificate in German Conversation and Culture
Department of Foreign Languages and Humanities

Prerequisites ..... **0-6 hours**
GER 101 and 102 (or equivalent).
Requirements ..... **15 hours**
FCC 222; GER 201, 202, 240, and 340.
A grade of "C" or higher is required in each course for credit toward the certificate.
Total Curriculum Requirements ..... **15-21 hours**

Certificate in Japanese Conversation and Culture
Department of Foreign Languages and Humanities

Requirements ..... **15 hours**
FCC 227; JPN 101, 102, 201, 202.
A grade of "C" or higher is required in each course for credit toward the certificate.
Total Curriculum Requirements ..... **15 hours**

Certificate in Spanish Conversation and Culture
Department of Foreign Languages and Humanities

Prerequisites ..... **0-6 hours**
SPA 101 and 102 or 105 (or equivalent).
Requirements ..... **15 hours**
FCC 226, SPA 201, 202, 206, 301.
A grade of "C" or higher is required in each course for credit toward the certificate.
Total Curriculum Requirements ..... **15-21 hours**

Minors

Minor in Anthropology
Department of Anthropology, Sociology, and Social Work

A student may minor in anthropology by taking a minimum of 18 hours as follows: ANT 120, 201; ANT 210 or 211; and nine hours of upper division anthropology electives.

Minor in Art (Art History)
Department of Art

A student may minor in art history by completing a minimum of 18 hours as follows: ART 390, 391, 562 and nine hours of art history electives.

Minor in Art (Studio)
Department of Art

A student may minor in art studio by completing a minimum of 18 hours as follows: ART 100, 152, 153; 390 or 391; and six hours of art electives.

Minor in Art (Teaching)
Department of Art

A student may minor in art (teaching) by completing a minimum of 24 hours as follows: ART 100, 152, 153, 210, 390, 391, 460; EME 439 or ELE 361.

Minor in Biology
Department of Biological Sciences

A student may qualify for a minor in biology by completing 21 semester hours to include BIO 131, 141, 211, and nine additional hours selected from those 300 through 500 level courses normally taken for one of the majors in the department.

Students may also seek a minor in biology in conjunction with the completion of a teaching certificate, which will qualify them to teach biology at the secondary level. Teacher certification with a minor in biology requires the same 21 semester hours of course work stipulated in the above paragraph.

Minor in Chemistry
Department of Chemistry

A student may minor in chemistry by completing CHE 111, CHE 112, and an additional 12 hours of upper division chemistry courses.

Minor in Computer Science
Department of Mathematics, Statistics, and Computer Science

A student may minor in computer science by completing CSC 190, 191, 195, 302, 310, and one of the CSC 200, 312, or 320.

Minor in Deviance/Criminology
Department of Anthropology, Sociology and Social Work

A student may minor in Deviance/Criminology by completing the following courses: SOC 131, SOC 313, SOC 340, SOC 375, and nine hours from ANT 380, FOR 301, HEA 345, CRJ 325, PSY 308, or SOC 347. Note that some of the required and elective courses have prerequisites.

Minor in Economics
Department of Economics

A minor in economics is available to students in any college and requires completion of the following courses with a minimum grade of "C" in each course and with at least nine of the upper division hours earned at EKU: ECO 230,

231, 350, 351, and six hours of upper division courses in economics.

Minor in English
Department of English

Requirements ..... 18 hours
ENG 301, 302**, and at least 12 additional upper level hours in literature and/or writing courses.

**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

Minor in English (Teaching)
Department of English

Requirements ..... 24 hours
ENG 301, 302**; 350 or 351; 352 or 353; 405, 410; 510 or 520; and at least three additional upper level hours. Minor is available only to students having a teaching major in another field.
Supporting Course Requirements ..... 3 hours
ESE 574.
Total Curriculum Requirements ..... 27 hours

**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

Minor in French
Department of Foreign Languages and Humanities

Requirements ..... 21 hours
A student may minor in French by completing a minimum of 21 hours in French, 9 hours of which may include 201, 202, 204, 210 and/or 295. A minimum of 12 hours must be in courses numbered 300 and above. A grade of "C" or higher is required in each course for credit toward the minor.
[Students entering the program with two or more years of high school French should take FRE 201, 202 or 204, 210, and 12 hours of French at the 300 level or above. Students entering the program with no previous French should take FRE 101, 102, 201, 202, 210, and 12 hours of French at the 300 level or above.]
Supporting Course Requirements ..... 3 hours
FCC 220 is required. Strongly recommended: HIS 354.
Total Curriculum Requirements ..... 24 hours

Minor in Geography
Department of Geography and Planning

A student may minor in geography by completing a total of 18 semester hours as follows: GEO 210, 220, 345, GEO 322 or 330, GEO 353 or 355, and three hours of upper-division geography electives.

Minor in Geology
Department of Earth Sciences

A student may minor in geology by completing a minimum of 21 semester hours as follows: GLY 108, 109, 309, 311, 409, 410, and 415.

Minor in German
Department of Foreign Languages and Humanities

Requirements ..... 21 hours
A student may minor in German by completing a minimum of 21 semester hours in German courses numbered 200 and above. The following courses are required: GER 240 or 340; 301 or 302; 360 or 460; 440. A grade of "C" or higher is required in each course for credit toward the minor.
Supporting Course Requirements ..... 3 hours
FCC 222 is required. Strongly recommended: HIS 350.
Total Curriculum Requirements ..... 24 hours

Minor in History
Department of History

Students majoring in other disciplines may minor in History (teaching or non-teaching) by completing the following courses: HIS 202 and 203; HIS 231, HIS 246, or HON 210; HIS 232, HIS 247 or HON 311; nine hours upper division history with three hours in each of the upper-division areas described in the major (refer to major for specific course listings in each area).

Minor in Humanities
Department of Foreign Languages and Humanities

A student may minor in humanities by completing the following courses: HUM 124; 226 or 228; FCC 210, 220, 222, 226, or 227; ART 390 or THE 390 and ART 391 or THE 391, to include one ART and one THE course; MUS 272; PHE 200; HUM 410. When the major and the minor require the same courses, three hours may be waived from the minor upon the recommendation of the Chair of the Department of Foreign Languages and Humanities.

Minor in Mathematical Sciences
Department of Mathematics, Statistics, and Computer Science

A student may minor in mathematical sciences by completing a minimum of six hours in each of computer science, mathematics, and statistics for a total of 18 hours as follows: computer science—CSC 180 or 190 or 300; one other course selected from CSC 190, 195, 300, or approved sections of CSC 178; mathematics —MAT 261 and 262, or MAT 124 or 124H, and 224 or 224H; and statistics—two of STA 270, 271, 370, 500, 501, 575.

Minor in Mathematics
Department of Mathematics, Statistics, and Computer Science

A student may minor in mathematics by completing 18 hours including MAT 124 or 124H; 224 or 224H; and ten hours selected from MAT 214; 225 or 225H; CSC 195 or 300; STA 370 or 520; or any MAT course numbered 300 or above (except for MAT 349).

Minor in Music
Department of Music

Requirements ..... 18 hours
MUS 181, 182, 371, 372, and four hours of electives in music. Candidates must pass the Piano Proficiency Examination or take MUS 110 and 111 which cannot be counted as a part of the minor.

Minor in Natural Resource Analysis
Department of Geography and Planning

A student may minor in natural resource analysis by completing a total of 18 hours as follows: GEO 210, 353, 355, 556, and six hours from GEO 302, 553, or PLA 320.

Minor in Philosophy
Department of Philosophy and Religion

A minor consists of 18 hours in philosophy, including at least three hours in PHI 100, 110, 130, 300, or 320. Three hours of religion may be counted in a minor.

Minor in Physics
Department of Physics and Astronomy

A student may complete a minor in physics by taking PHY 201, 202, and a minimum of eight additional hours of physics numbered 300 and above for a total of 18 hours. PHY 131 may be substituted for PHY 201, and PHY 132 may be substituted for PHY 202.

Minor in Planning
Department of Geography and Planning

A student may minor in planning by completing a total of 18 hours as follows: PLA 220, 320, 420; GEO 353 or 355; three hours of upper division planning electives, and three hours electives from GEO 321, 322, or 330.

Minor in Political Science
Department of Government

A student may minor in political science by completing POL 101 plus 15 hours of which nine hours must be in courses numbered 300 or above.

Minor in Psychology
Department of Psychology

Requirements for a minor are PSY 201 and 202 plus electives in PSY to total 18 hours. Transfer students with a one semester introductory course should not enroll in PSY 201 or 202.

Minor in Public Administration
Department of Government

A student may minor in public administration by completing a total of 18 hours as follows: POL 101, POL 370, POL 374, and nine hours from POL 332 or POL 333, POL 371, POL 376, POL 377, and POL 565. Upper division courses applied to the public administration minor may not be applied to the political science minor.

Minor in Religion
Department of Philosophy and Religion

A minor consists of 18 hours in religion, including at least three hours in REL 301, 305, 306, 315 or PHI 240. Three hours of philosophy may be counted in a minor, and if PHI 240 is taken, six hours of philosophy may be counted.

Minor in Social Welfare
Department of Anthropology, Sociology, and Social Work

A student may minor in social welfare by completing the following courses: SOC 131; SWK 210, 310, and 311; three hours from POL 341, 370, 371, or 374; and six hours from SWK 410, 456, 457, SOC 313, 340, 353, 365, 410, 420, 450, PLA 220, ECO 130, 231, or 365.

Minor in Sociology
Department of Anthropology, Sociology, and Social Work

A student may minor in sociology by completing the following courses: SOC 131 and 15 hours of sociology electives, 12 of which must be upper division. Three hours of upper division anthropology may be applied to the 15 hours.

Minor in Spanish
Department of Foreign Languages and Humanities

Requirements ..... 21 hours
A student may minor in Spanish by completing a minimum of 21 semester hours in courses numbered 200 and above; 12 of these hours must be at the 300 level or above. A grade of "C" or higher is required in each course for credit toward the minor.

Supporting Course Requirements ..... 3 hours
FCC 226 is required. Strongly recommended: HIS 384.

Total Curriculum Requirements ..... 24 hours

Minor in Speech Communication
Department of Speech Communication and Theatre Arts

Requirements ..... 21 hours
SPE 200, 205, 210 or 300; 310, 350, 406 and 410.

Minor in Statistics
Department of Mathematics, Statistics, and Computer Science

A student may minor in statistics by completing 18 hours of mathematical science courses including 12 hours of STA courses (except for 349), any CSC courses (except for 104, 105, 305, 306, or 349), or any calculus courses.

Minor in Theatre Arts
Department of Speech Communication and Theatre Arts

Requirements ..... 18 hours
THE 110, 135, 130/330 (3), 341; 390 or 391; and three hours of theatre arts electives.

Minor in Theatre Arts (Teaching)
Department of Speech Communication and Theatre Arts

Requirements ..... 21 hours
THE 110, 135, 130/330 (3), 341; 390 or 391; and six hours of theatre arts electives.

Minor in Travel and Tourism
Department of Geography and Planning

A student may minor in travel and tourism by completing a total of 18 hours as follows: TNT 210, 310, 315, 415, GEO 345 or 347, and 355.

Pre-Professional Curricula

Pre-Engineering Curricula
Department of Physics and Astronomy and Department of Chemistry

There are two pre-engineering curricula offered by the College of Arts and Sciences.

In the first curriculum, referred to as the **Two-Two Curriculum**, students spend two years at Eastern and study basic science, mathematics, and courses for their basic education. Students then transfer their credits to the engineering school of their choice. Students can usually complete a degree in engineering after two years of course work at the engineering school.

TWO-TWO CURRICULUM

Major Requirements ..... 31 hours
PHY 201, 202, MAT 124*, 224, 225, CHE 111, 112.

Supporting Course Requirements ..... 9 hours
CSC 174, PHY 221, TEC 190.

General Education Requirements ..... 21 hours
Six hours of English composition, 15 hours selected from the humanities and social sciences to satisfy general education requirements at the chosen engineering school.

University Requirements ..... 1 hour
NMO 100.

Total Curriculum Requirements ..... 62 hours

*A preparatory course (MAT 109) may be required before admission to MAT 124.

THREE-TWO CURRICULUM

In the second curriculum - the **Three-Two Curriculum** - students spend three years at Eastern and then take two years of work in engineering at the University of Kentucky or Auburn University and earn a baccalaureate degree from Eastern in physics or chemistry and an engineering degree from the engineering school. The additional year spent at Eastern allows students to do more work in a science major, thus improving the breadth of their background.

Variations occur depending upon the engineering degree sought and the differing requirements of the University of Kentucky and Auburn University. Inquiries concerning a specific program should be addressed to the pre-engineering advisor, Department of Physics and Astronomy or Department of Chemistry. A program representative of the first two years is given in the **Two-Two Curriculum** above. The third year curriculum will depend primarily on the undergraduate major sought, either physics or chemistry.

A third option available to a student would be to complete requirements for a baccalaureate degree in physics or chemistry at Eastern and then to apply to a graduate school in engineering for admission and graduate studies.

Pre-Forestry Curriculum
Department of Biological Sciences

Arrangements made through the Southern Regional Education Board provide for students who wish to prepare as professional foresters to do the first three years of their work at Eastern Kentucky University and complete their training in two years and one summer at University of Kentucky or any other accredited school of forestry.

Students may elect a three-year program and graduate with a Bachelor of Science degree with a major in biology by transferring 30 semester hours from an accredited school of forestry.

Major Requirements ..... 26 hours
BIO 131, 141, 211, 315, 328, 335, 536.

Supporting Course Requirements ..... 42 hours
AGR 215, CHE 111, 112, CON 221, CSC 174, ENG 300, GLY 108, TEC 190, MAT 124*, PHY 131; SPE 100 or 300; STA 215 or 270.

General Education Requirements ..... 28 hours
Standard General Education program, excluding course categories 03, 04, 13, 14, 15, 16, 20 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.

Free Electives ..... 12 hours

Total Curriculum Requirements ..... 112 hours

*A preparatory course (MAT 109) may be required before admission to MAT 124.

Suggested Curriculum Guides begin on page 76.

Pre-Optometry Curriculum
Department of Chemistry

Students desiring to enter the competition for admission to an optometry school must complete a minimum of three years of pre-optometry courses and a few schools require the student to earn a baccalaureate degree before applying. The application deadline for optometry schools is usually in December. A minimum of three years work is required in the optometry school for the Doctor of Optometry (O.D.). Most optometry schools require four years for the O.D., and several

universities have graduate programs leading to the M.S. and Ph.D. degrees in addition to programs leading to the O.D.

Requirements for admission to optometry schools vary. Students wishing to enter a pre-optometry program should immediately secure transfer information from the optometry school of their choice and then consult with their pre-optometry advisor.

Courses which students may take to meet requirements for admission to optometry schools should include the following.

Major Requirements ..... **32 hours**
BIO 141, 211, 320, CHE 361, 362, 366, 367, PHY 131, 132.
Supporting Course Requirements ..... **19 hours**
MAT 109, 124, 224; PSY 201 or 202; STA 270.
General Education Requirements ..... **23 hours**
CHE 111, 112, six hours of English composition, six hours social science, HPR 180, 282.
University Requirements ..... **4 hours**
NMO 100 and three hours of restricted electives.
Total Curriculum Requirements ..... **78 hours**

Most optometry schools have established quotas on the number of students that they will accept from each state. Because of this limitation, students must be accepted by the school of optometry and be certified as a resident of the state in which they live. Present circumstances are such that Kentucky residents will stand the best chance for acceptance at Indiana University, the University of Alabama, and Southern College of Optometry at Memphis, which have contracts with the Commonwealth of Kentucky. Approved students are exempt from the out-of-state tuition charge at the above schools which would normally apply to Kentucky residents.

For residents in Kentucky to be accepted under the Kentucky quota, application must be made directly to one of the three contract schools listed above. A Certificate of Residency will be needed which may be secured from the Executive Director, Council on Higher Education, Frankfort, KY 40601. Students from other states should make application to the equivalent board in their state. For further information, the student should consult with the Chair, Department of Chemistry.

Suggested Curriculum Guides begin on page 76.

Pre-Pharmacy Curriculum
Department of Chemistry

Students who plan to enter the field of pharmacy may take two years of pre-pharmacy and transfer these credits to a pharmacy school. The courses listed below will meet the requirements of most pharmacy schools. Students wishing to enter the curriculum should determine the admission requirements of the pharmacy school of their choice and after consulting their pre-pharmacy advisor, determine which courses to take.

Major Requirements ..... **30 hours**
BIO 141, 171, 320, CHE 111, 112, 361, 362, 366, 367.
Supporting Course Requirements ..... **17 hours**
ECO 230, MAT 124*, PHY 131, 132.
General Education Requirements ..... **27 hours**
Six hours of English composition; 21 hours towards the general education requirements at the chosen pharmacy school.
University Requirements ..... **1 hour**
NMO 100.
Total Curriculum Requirements ..... **75 hours**

*A preparatory course (MAT 109) may be required before admission to MAT 124.

Suggested Curriculum Guides begin on page 76.

Pre-Medical Sciences

Students who have career interests in medicine, dentistry, osteopathic medicine, or podiatry may fulfill general admission requirements of specific professional schools by pursuing the Bachelor of Science degree in Biology or the Bachelor of Arts degree in Chemistry. Students pursuing degrees in either department will concentrate in biology and chemistry, with appropriate and complementary courses in humanities, social sciences, and communications. Courses in mathematics and physics will also be required. Students interested in medical fields are assigned to pre-medical sciences advisor. These advisors work closely with each student to help plan programs of study and prepare for the process of gaining admission to the chosen professional school.

Biology (B.S.)
Department of Biological Sciences

Major Requirements ..... **35-36 hours**
BIO 131, 141, 211, 315, 316, 320; 328 or 348; 490, 514, one elective in biology at the 300-500 level.
Supporting Course Requirements ..... **34-36 hours**
CHE 111, 112, 361, 366, 362 and 367 or 330 or 530; MAT 124* or 261*; PHY 131, 132; STA 215 or STA 270.
General Education Requirements ..... **33 hours**
Standard General Education program, excluding course categories 03, 13, 14, 15, 16 and 21. PSY 201 or 202 is substituted for HEA 281 for pre-medical and pre-dental students.
University Requirements ..... **4 hours**
NMO 100 and three hours of restricted electives.
Free Electives ..... **19-22 hours**
Total Curriculum Requirements ..... **128 hours**

*A preparatory course in mathematics may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

Chemistry (B.A.)
Department of Chemistry

Major Requirements ..... **30 hours**
CHE 111, 112, 325, 361, 366, 367, 470, three hours of upper division chemistry electives.
Supporting Course Requirements ..... **13-14 hours**
MAT 124 or 261; PHY 131 or 201; PHY 132 or 202. It is recommended and expected that pre-medical and pre-

dental students in this degree program also take BIO 141, 211, 315, 320, 348, 546, 547 as free electives.

General Education Requirements ..... **39 hours**
Standard General Education program, excluding course categories 14, 15, 16, and 21. PSY 201 or 202 is substituted for HEA 281 for pre-medical and pre-dental students.

University Requirements ..... **4 hours**
NMO 100 and three hours of restricted electives.

Free Electives ..... **41-42 hours**

Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

PRE-VETERINARY MEDICINE

Students who have career interest in veterinary medicine may fulfill general admission requirements of specific veterinary schools by pursuing the Bachelor of Science degree in Biology or the Bachelor of Arts degree in Chemistry. Students pursuing degrees in either department will concentrate in biology and chemistry, with appropriate and complementary courses in humanities, social sciences, and communications. Courses in mathematics and physics will also be required. Students will be assigned to a pre-veterinary advisor. This advisor will work closely with each student to help plan programs of study and prepare for the process of gaining admission to the chosen school of veterinary medicine.

Biology (B.S.)
Department of Biological Sciences

Major Requirements ..... **35-36 hours**
BIO 131, 141, 211, 315, 316, 320; 328 or 348; 490, 514, or elective in biology at the 300-500 level.

Supporting Course Requirements ..... **34-36 hours**
CHE 111, 112, 361, 366, 362 and 367 or 330 or 530; MAT 124* or 261*; PHY 131, 132; STA 215 or STA 270.

General Education Requirements ..... **33 hours**
Standard General Education program, excluding course categories 03, 13, 14, 15, 16 and 21. Refer to Part Three of the EKU Undergraduate Catalog for details on the General Education and University requirements.

University Requirements ..... **4 hours**
NMO 100 and three hours of restricted electives.

Free Electives** ..... **19-22 hours**

Total Curriculum Requirements ..... **128 hours**

*A preparatory course in mathematics may be required before admission to calculus.
**Properly selected electives will allow a student to complete pre-veterinary medicine training.

Suggested Curriculum Guides begin on page 76.

Chemistry (B.A.)
Department of Chemistry

Major Requirements ..... **30 hours**
CHE 111, 112, 325, 361, 366, 367, 470, three hours of upper division chemistry electives.

Supporting Course Requirements ..... **13-14 hours**
MAT 124* or 261*; PHY 131 or 201; PHY 132 or 202. It is recommended and expected that pre-medical and pre-dental students in this degree program also take BIO 141, 211, 315, 320, 348, 546, 547 as free electives.

General Education Requirements ..... **39 hours**
Standard General Education program, excluding course categories 14, 15, 16 and 21. PSY 201 or 202 is substituted for HEA 281 for pre-medical and pre-dental students. Refer to Part Three of the EKU Undergraduate Catalog for details on the General Education and University requirements.

University Requirements ..... **4 hours**
NMO 100 and three hours of restricted electives.

Free Electives** ..... **41-42 hours**

Total Curriculum Requirements ..... **128 hours**

*A preparatory course in mathematics (MAT 109) may be required before admission to calculus.
**Properly selected electives will allow a student to complete pre-veterinary medicine training

Suggested Curriculum Guides begin on page 76.

Associate Degrees

PARALEGAL STUDIES (A.A.)
Department of Government
CIP Code. 22.0103

**Refer to the College of Arts and Sciences' degree and transfer student requirements.*

Major Requirements ..... **37 hours**
LAS 210, 220, 300, 320, 325, 350, 385, 399, 410 and nine hours from LAS 330, 340, 360, 370, 380, or 460.

Supporting Course Requirements ..... **28 hours**
CSO 100, six hours of English Composition*, three hours general education humanities*, POL 101*, three hours general education natural science* or MAT 106* or MAT 107*, one hour of general education elective*, ACC 201, ENG 301, and five hours of restricted electives.

Total Curriculum Requirements ..... **65 hours**

Two of these five hours of restricted electives must be in general education.

Suggested Curriculum Guides begin on page 76.

SCIENCE FOR ENGINEERING (A.S.)
Department of Physics and Astronomy
CIP Code: 14.999.01

Major Requirements ..... **18 hours**
PHY 201, 202; MAT 124*, 224.

Supporting Course Requirements ..... **33 hours**
MAT 225; three hours Approved Programming Language*; CHE 111*, 112*; NMO 100; ENG 101* and 102* or 105*; three hours from each of Areas II* and III*; four hours restricted electives.

Free Electives ..... **13 hours**
Total Curriculum Requirements ..... **64 hours**

*Courses meeting general education requirements.

Suggested Curriculum Guides begin on page 76.

Baccalaureate Degrees

ANTHROPOLOGY (B.A.)
Department of Anthropology, Sociology, and Social Work
CIP Code: 45.0201

Major Requirements ..... **33 hours**
ANT 120, 201, 210, 211, 350, 390, 395, and nine hours selected from three of the following four categories:
ANT 353, 355, 360, 470 or equivalent;
ANT 330, 331, or 435;
ANT 310;
ANT 365, 380, or 385;
and three hours in anthropology to be selected in consultation with the advisor.
General Education Requirements ..... **51 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
CSO 100 and three hours of restricted electives.
Free Electives ..... **40 hours**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

ART (B.A.)
Department of Art
CIP Code: 50.0702

Major Requirements ..... **45 hours**
Studio Foundations ..... **15 hours**
ART 100, 101, 152, 153, and 164.
Art Core ..... **30 hours**
ART 210, 220, 230, 240, 270, 280, 390, 391, 562, and three hours art history elective.
General Education Requirements ..... **51 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
AHO 100 and three hours of restricted electives.
Free Electives ..... **28 hours**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

ART/STUDIO OPTIONS (B.F.A.)
Department of Art
CIP Code: 50.0702

Major Requirements ..... **73 hours**
Studio Foundations ..... **15 hours**
ART 100, 101, 152, 153, and 164.
Art Core ..... **31 hours**
ART 210, 220, 230, 240, 270, 280, 390, 391, 499, 562, and three hours art history elective.
B.F.A. Studio Options ..... **15 or 27 hours**
Ceramics ..... **15 hours**
ART 371, 372, 472, 473, and 474.
Graphic Design ..... **27 hours**
ART 250, 254, 350, 351 or 352, 451, 452, 453, and 454 with additional requirement of three hours credit to be approved by area chair in accordance with departmental policy.
Jewelry and Metalsmithing ..... **15 hours**
ART 341, 343, 344, 443, and 444.
Painting ..... **15 hours**
ART 312, 313, 314, 413, and 414.
Photography ..... **15 hours**
ART 381, 382, 383, 483, and 484.
Printmaking ..... **15 hours**
ART 331, 332, 433 for six hours, and 434.
Sculpture ..... **15 hours**
ART 321, 322 for six hours, 423, and 424.
Art Electives ..... **12 hours**
Hours to be taken outside the student's selected option, nine hours must be upper division. (Due to a 27 hour option, design majors do not have the 12 hour art elective requirement.)
General Education Requirements ..... **45 hours**
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
AHO 100 and three hours of restricted electives.
Free Electives ..... **6 hours**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

ART/TEACHING (B.A.)
Department of Art
CIP Code: 13.1302

Major Requirements ..... **48 hours**
Studio Foundations ..... **15 hours**
ART 100, 101, 152, 153, and 164.
Art Core ..... **33 hours**
ART 210, 220, 230, 240, 270, 280, 390, 391, 460, 562, and three hours art history elective.
Teacher Education Requirements ..... **34 hours**
EDF 103, 203, EPY 319, 413, SED 401, EME 439, ESE 440, 498, and EMS 499.
General Education Requirements ..... **45 hours**
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
AHO 100 and three hours of restricted electives.
Total Curriculum Requirements ..... **131 hours**

Suggested Curriculum Guides begin on page 76.

BIOLOGY (B.S.)
Department of Biological Sciences
CIP Code: 26.0101

Major Requirements ..... 34-36 hours
Biology Core
BIO 131, 141, 211, 315, 316, 320; 328 or 348; 490, 514, one elective in biology at the 300-500 level.
Options
Aquatic Biology ..... 15 hours
BIO 525, 542, 557, 558, and one course from BIO 340, 524, 556, 561.
Botany ..... 15-16 hours
BIO 335, 521, 598**, and two courses from BIO 522, 524, 525, 536, 599; BIO 531 or CHE 530 or 330.
Cell and Molecular Biology ..... 16 hours
BIO 331; 528 or 530; 531, 597, CHE 530.
Supporting Course Requirements ..... 34-36 hours
CHE 111, 112, 361, 366, 362 and 367 or 330 or 530; MAT 124* or 261*; PHY 131, 132; STA 215 or STA 270.
General Education Requirements ..... 33 hours
Standard General Education program, excluding course categories 03, 13, 14, 15, 16 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.
Free Electives ..... 3-22 hours
Total Curriculum Requirements ..... 128 hours

*Preparatory course in mathematics (MAT 109) may be required before admission to calculus.
**Must enroll for 3 hours credit.

Suggested Curriculum Guides begin on page 76.

BIOLOGY/TEACHING (B.S.)
Department of Biological Sciences
CIP Code: 26.0101

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.
Major Requirements ..... 35-36 hours
BIO 131, 141, 211, 315, 316, 320; 328 or 348; 490, 514, one biology elective at the 300-500 level.
Supporting Course Requirements ..... 35-40 hours
CHE 111, 112, 361, 366; 362 and 367, or 330; CSC 104; MAT 107 or 109 or 124* or 261*; PHY 131; PHY 132 or GLY 108; STA 215 or STA 270.
Teacher Education Requirements ..... 31 hours
EDF 103, 203, EPY 319, 413, SED 401, ESE 441, 498, 499.
General Education Requirements ..... 30 hours
Standard General Education program, excluding course categories 03, 04, 13, 14, 15, 16 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.
Total Curriculum Requirements ..... 135-141 hours

*Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

CHEMISTRY (B.A)
Department of Chemistry
CIP Code: 40.0501

Major Requirements ..... 30 hours
CHE 111, 112, 325, 361, 362, 366, 367, 470, three hours of upper division chemistry electives.
Supporting Course Requirements ..... 13-14 hours
MAT 124* or 261*; PHY 131 or 201; PHY 132 or 202. It is recommended and expected that pre-medical and pre-dental students in this degree program also take BIO 141, 211, 315, 320, 348, 546, 547 as free electives.
General Education Requirements ..... 39 hours
Standard General Education program, excluding course categories 14, 15, 16 and 21. PSY 201 or 202 is substituted for HEA 281 for pre-medical and pre-dental students. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.
Free Electives ..... 41-42 hours
Total Curriculum Requirements ..... 128 hours

* Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

CHEMISTRY (B.S.)
Department of Chemistry
CIP Code: 40.0501

Major Requirements ..... 40-44 hours
Chemistry Core ..... 31 hours
CHE 111, 112, 325, 361, 362, 366, 367, 471, 472, 473 (2) and must include one of the following options.
Options
Biochemistry ..... 9 hours
CHE 480, 481, 530, 531.
Chemistry ..... 13 hours
CHE 480, 481, 515, 525, 550. For the program to be approved by the ACS, the student must elect six additional hours of advanced chemistry courses.
Supporting Course Requirements ..... 22-37 hours
Biochemistry ..... 37 hours
BIO 131 or BIO 141; 211, 331; 315 or 320; MAT 124*, 224, 225, PHY 201, 202.
Chemistry ..... 22 hours
MAT 124*, 224, 225, PHY 201, 202. A year of foreign language is recommended.
General Education Requirements ..... 33-36 hours
Standard General Education program, excluding course categories 03, 14, 15, 16 and 21 (chemistry) or course categories 03, 13, 14, 15, 16 and 21 (biochemistry).
University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.
Free Electives ..... 14-22 hours
Total Curriculum Requirements ..... 128 hours

* Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

COMPUTER SCIENCE (B.S.)

Department of Mathematics, Statistics, and Computer Science

CIP Code: 11.0101

Program Objectives

The general computer science program is an accredited program. The program is accredited by the Computer Science Accreditation Commission of the Computer Science Accreditation Board. The computer technology option is non-accredited.

Upon completion of this program the graduate will: (1) have a working knowledge of some common programming languages and operating systems; (2) have experience with analysis of software systems, design, documentation, and implementation techniques both as an individual and as a member of a design team; (3) have experience with analysis of hardware systems, design, and implementation techniques; and (4) be qualified for employment as a computer scientist in industry or in government. In addition, (1) graduates under the accredited general computer science option will be prepared to enter a graduate program in computer science; (2) graduates under the computer technology option will be able to take appropriate network certification examination(s), such as Microsoft Network Certification; and (3) graduates under the computer technology option will be qualified to program industrial and process control systems.

Major Requirements ..... 45-51 hours

Computer Science Core ..... 33 hours

CSC 190, 191, 195, 200, 302, 306, 310, 312, 370, and two of CSC 300, 350, 390, 401, 425, 440, 450, 460, 490, 545, or 546 that are not required by the option.

Options

Computer Science (General) (Accredited by CSAC/CSAB) ..... 12 hours

CSC 320, 350, 400; 440 or 460.

Computer Technology (Non accredited by CSAC/CSAB) ..... 18 hours

CSC 401; EET 253, 254, 302, 303, 354.

Supporting Course Requirements ..... 21-35 hours

Computer Science (General) ..... 30-35 hours

EET 252; MAT 124 or 124H; 214; 224 or 224H; STA 270. Four courses in the natural sciences which must include one biological lab science course and one physical lab science course. Two of these four courses must also be one of the following sequences: BIO 131, 141; CHE 111, 112; GLY 108, 109; or PHY 201, 202. The other two courses must be chosen from the above sequence courses or from the following: PHY 131, 132; or any 200 level or above science course that counts toward a science major.

Computer Technology ..... 21 hours

CSC 104, 3 hours of CSC 349[1]; EET 251, 252, 257; EET 351; one of MAT 124*, 124H, 211* or 261*.

General Education Requirements ..... 30-42 hours

Computer Science (General) ..... 30 hours

Standard General Education program, excluding categories 03, 04, 13, 14, 15, 16 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

Computer Technology ..... 42 hours

Standard General Education program, excluding categories 03, 04, and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours

NMO 100 and three hours of restricted electives.

Free Electives ..... 10-19 hours

Computer Science (General) ..... 14-19 hours

Computer Technology ..... 10 hours

Total Curriculum Requirements ..... 128 hours

[1]Under special circumstances, a student may seek an administrative waiver of the CSC 349 requirement from the Computer Science Curriculum Committee and the department chair. Waiver recipients are required to complete three semester hours of additional course work approved by the Computer Science Curriculum Committee.

* Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

COMPUTER SCIENCE/MATHEMATICS TEACHING (B.S.)

Department of Mathematics, Statistics, and Computer Science

CIP Code: 13.1399.05

Program Objectives

Upon completion of this program the student will: (1) understand the principles of pre-college computer science and mathematics; (2) be able to explain the basic concepts of computer science and mathematics and their applications to social, economic, and scientific problems; (3) understand the importance and power of computer science and mathematics in our rapidly changing technological age; and (4) be prepared to pursue a graduate program in this or a related area.

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

Major Requirements ..... 41 hours

CSC 190, 191, 195, 302; 305 or 306; 310; MAT 124* or 124H; 214; 224 or 224H; 301, 308, 334, 380. All courses must be completed with a grade of at least "C-".

Supporting Course Requirement ..... 6 hours

CSC 104, STA 270. All courses must be completed with a grade of at least a "C-".

Teacher Education Requirements ..... 31 hours

EDF 103, 203, EPY 319, 413, SED 401, ESE 450, 498, 499.

General Education Requirements ..... 42 hours

Standard General Education program, excluding course categories 03, 04 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **4 hours**
NMO 100 and three hours of restricted electives.
Free Electives ..... **4 hours**
Total Curriculum Requirements ..... **128 hours**

* Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

ECONOMICS (B.A.)
CIP Code: 45.0601

Major Requirements ..... **33 hours**
A minimum grade of "C" is required in all courses counted towards the major.
Economics Core ..... **21 hours**
ECO 220, 230, 231, 320, 350, 351, and 420 or 490. Majors must select an option in General Economics, Applied Economics, International Economics, or Public Policy. General Economics students must take ECO 420.
Options ..... **12 hours**
General Economics ..... **12 hours**
Twelve hours of upper division economics courses.
Applied Economics ..... **12 hours**
ECO 300, 315, and six hours of upper division economics courses.
International Economics ..... **12 hours**
ECO 394, 395, and six hours of upper division economics courses.
Public Policy ..... **12 hours**
ECO 315, 365, and six hours from ECO 324, 333, 394, 570, 580 or 590.
Supporting Course Requirements ..... **21 hours**
Additional supporting course requirements beyond those specified below must be approved by the advisor in consultation with the Chair of the Department of Economics.
General Economics: MAT 211 plus 18 hours of courses as noted above.
Applied Economics: MAT 107 or 211; six hours of courses as noted above; and twelve hours from a list of approved courses within specific program areas, including (but not limited to) Agriculture, Construction Technology, and Travel and Tourism.
International Economics: MAT 107 or 211; six hours of courses as noted above; and one of the following three alternatives: (1) twelve hours of foreign language, (2) twelve hours of area studies to be pre-approved by the advisor and the Chair, or (3) twelve hours from the core and elective courses listed in the International Studies minor.
Public Policy: MAT 107 or 211; POL 101, 321, 374; three hours from POL 370, 371, 377; plus six hours of courses as noted above.
General Education Requirements ..... **48 hours**
Standard General Education program, excluding general education course category 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
CSO 100 and three hours of restricted electives.
Free Electives ..... **22 hours**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

ENGLISH (B.A.)
Department of English
CIP Code: 23.0101

Major Requirements ..... **39 hours**
Core ..... **24 hours**
ENG 301, 302**, 350, 351, 352, 353, 410, and 474.
Options
Literature Emphasis ..... **15 hours**
A minimum of 15 additional upper division literature hours, three of which must be in British literature and three in American literature, nine of the hours must be at the 400 and 500 level.
Writing Emphasis ..... **15 hours**
A minimum of 15 additional hours selected from the following: ENG 300, 306, 349, 420, 500, 502 or 525.
Supporting Course Requirements ..... **12 hours**
Literature Emphasis
Six hours of a particular foreign language at the 200 level and six hours from the following with no more than three hours from any one group: SPE 210, 300, 310; HIS 336, 340, 345, 346; THE 390, 391; CIS 212.
Writing Emphasis
Six hours of a particular foreign language at the 200 level and six hours from the following with no more than three from any one group: SPE 320, 350; COM 201, JOU 305, 307; CIS 212.
General Education Requirements ..... **51 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
AHO 100 and three hours of restricted electives.
Free Electives ..... **22 hours**
Total Curriculum Requirements ..... **128 hours**

**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

Suggested Curriculum Guides begin on page 76.

ENGLISH/TEACHING (B.A.)
Department of English
CIP Code: 23.0101

Major Requirements ..... **33 hours**
ENG 301, 302**; 350 or 351; 352 or 353; 405, 410, 474; 510 or 520; and at least nine additional upper division literature hours, three of which must be American literature and three British literature; six of these additional hours must be at the 400 level or above.
Supporting Course Requirements ..... **9 hours**
SPE 210 and six hours of a particular foreign language at the 200 level.

Teacher Education Requirements ..... 34 hours
EDF 103, 203, EPY 319, 413, SED 401; ESE 443, 498, 499, and 574.
General Education Requirements ..... 51 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 1 hour
AHO 100.
Total Curriculum Requirements ..... 128 hours

**Should be taken before enrolling in upper level literature courses (with the exception of ENG 350, 351, 352, and 353).

Suggested Curriculum Guides begin on page 76.

TEACHING ENGLISH AS A SECOND LANGUAGE ENDORSEMENT

Students planning to add a teaching English as a second language endorsement to their certification need to take ENG 510, 515, 520, and, in addition to other teacher education requirements listed, EMS 575.

ENVIRONMENTAL STUDIES (B.S)
Department of Biological Sciences
CIP Code: 26.0603

Major Requirements ..... 31-34 hours
BIO 131 or 141, 211, 316, 320; CHE 111, 112; GLY 503* and GLY 504* or GLY 108 and GLY 109 and GLY 415.
*(to meet requirement a student must take GLY 503 & 504 or a combination of GLY 108, 109, & 415)
Supporting Course Requirements ..... 18 hours
CSC 104, EHS 280, ENG 300, PHI 130, POL 374; STA 215 or STA 270.
Students Majoring in Environmental Studies must Select One of the Following Program Options: ..... 15-18 hours
Environmental Technology ..... 18 hours
CHE 325, 361, 366, 480, 481; GLY 535; PHY 510.
Land Resources ..... 15-16 hours
BIO 490; BIO 558 or GLY 535; GEO 355 or GEO 556; BIO 521 or BIO 536; must choose 2 of the following: AGR 315 or 318; ECO 580, EHS 300, 335.
Natural History ..... 16 hours
BIO 514, 553, 554; BIO 335 or BIO 536; BIO 542 or 556 or 557; BIO 490.
Supporting Course Requirements in the Options ..... 17-23 hours
Environmental Technology ..... 18 hours
MAT 124**, 224; PHY 131, 132.
Land Resources ..... 17-21 hours
AGR 215, CHE 325, GEO 353, MAT 107 and MAT 108, or MAT 109; must choose 1 of the following: BIO 489, CHE 495, GEO 498, GLY 398.
Natural History ..... 20-23 hours
BIO 131 or BIO 141 (must take course not taken as Major Requirement); BIO 315; MAT 107 and 108, or 109; Must choose 2 of the following: ANT 350; BIO 328 or 348; BIO 335, 524, 525, 536, 542, 556, 557, GEO 353, HIS 516.
General Education Requirements ..... 27 hours
Standard General Education program, excluding general education mathematics requirement and course categories 03, 04, 07, 13, 14, 15, 16 and 21.
University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.
Free Electives ..... 6-16 hours
Total Curriculum Requirements ..... 128 hours

* Chosen with advisor's guidance.
** Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76

FORENSIC SCIENCE (B.S.)
Department of Chemistry
CIP Code: 43.0106

Major Requirements ..... 53-54 hours
Core Requirements ..... 38 hours
CHE 111, 112, 325, 361, 362, 366, 367, 470, FOR 411, 465, 495* and must include one of the following options.
Forensic Chemistry Option ..... 16 hours
FOR 412, 451, six hours of 400 level forensic science electives, three hours upper division chemistry electives.
Forensic Biology Option ..... 15-16 hours
BIO 211, 315, 331 or 531, CHE 530.
Supporting Course Requirements ..... 19-20 hours
LAS 210, MAT 124** or 261**; PHY 131 or 201; PHY 132 or 202; STA 270.
General Education Requirements ..... 36 hours
Standard General Education program, excluding course categories 03, 14, 15, 16 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.
Free Electives ..... 14-16 hours
Total Curriculum Requirements ..... 128 hours

Must have a cumulative GPA of 2.5/4.0 or better.
*May be retaken to a maximum of 12 hours, but only the required six hours are counted toward the major.
** Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

FRENCH (B.A.)
Department of Foreign Languages and Humanities
CIP Code: 16.0901

Major Requirements ..... 30 hours
A student may major in French by completing a minimum of 30 semester hours in French courses numbered 200 and above. The following courses are required: FRE 340, 360; six hours from FRE 303, 313, 314, 315, 316, or 400; and nine hours of upper division electives. A grade of "C" or higher is required in each course for credit toward the major. Students are also required to pass a departmental

proficiency exam which covers spoken and written language, culture, and literature.

Supporting Course Requirements ..... **3 hours**
FCC 220 is required. Strongly recommended: six hours in a second foreign language; three hours each in upper division English courses in grammar and literature; HIS 354.

General Education Requirements ..... **48 hours**
Standard General Education program, excluding category 07. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **4 hours**
AHO 100 and three hours of restricted electives.

Free Electives ..... **43 hours**

Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

FRENCH/TEACHING (B.A.)
Department of Foreign Languages and Humanities
CIP Code: 16.0901

Major Requirements ..... **30 hours**
A student may major in French by completing a minimum of 30 semester hours in French courses numbered 200 and above. The following courses are required: FRE 340, 360; six hours selected from FRE 303, 313, 314, 315, 316, or 400; and nine hours of upper division electives. A grade of "C" or higher is required in each course for credit toward the major. Students must attain a 2.5 GPA in their teaching major and must pass a departmental proficiency exam, which covers spoken and written language, culture, and literature, to be recommended for student teaching.

Supporting Course Requirements ..... **3 hours**
FCC 220 is required. Strongly recommended: six hours in a second foreign language; three hours each in upper division English courses in grammar and literature; HIS 354.

Teacher Education Requirements ..... **34 hours**
EDF 103, 203; EPY 319, 413; SED 401; EME 442, EMS 499; ESE 443 and 498.

General Education Requirements ..... **48 hours**
Standard General Education program, excluding category 07. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **4 hours**
AHO 100 and three hours of restricted electives.

Free Electives ..... **9 hours**

Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

GEOGRAPHY (B.A.)
Department of Geography and Planning
CIP Code: 45.0701

Major Requirements ..... **39 hours**

Geography Core ..... **24 hours**
GEO 210, 220; GEO 322 or 330; GEO 345 or 347; GEO 351, 355, 450, and 490. Majors must select an option in human/land relations, planning, or travel and tourism.

Options

Human/Land Relations ..... **15 hours**
GEO 302 or 321; GEO 353; PLA 220 or TNT 210; and six hours upper division geography electives.

Planning ..... **15 hours**
PLA 220, 320, 420; TNT 210; and three hours of upper division planning electives.

Travel and Tourism ..... **15 hours**
TNT 210, 310, 315, 415; and PLA 220.

Supporting Course Requirements ..... **12 hours**
CIS 212; GLY 108; STA 215; and ECO 120 or ECO 230.

General Education Requirements ..... **39 hours**
Standard General Education program, excluding course categories 03, 04, 09, and 14. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **4 hours**
CSO 100 and three hours of restricted electives.

Free Electives ..... **34 hours**

Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

GEOGRAPHY/TEACHING (B.A.)
Department of Geography and Planning
CIP Code: 45.0701

Major Requirements ..... **30 hours**
GEO 210, 220, 302; GEO 321 or 322; GEO 330, 345, 347, 450, GLY 108, and three hours of upper division geography electives.

Minor ..... **21 hours**
Unless the student has a second major in an appropriate discipline, a 21 hour teaching minor is required. A history (teaching) minor is strongly recommended to complement the geography major, but state requirements also permit a minor in art, English, French, mathematics or Spanish.

Teacher Education Requirements ..... **31 hours**
EDF 103, 203; EPY 319, 413; SED 401; ESE 449, 498, and 499.

General Education Requirements ..... **45 hours**
Standard General Education program, excluding course categories 12 and 14. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **4 hours**
CSO 100 and three hours of restricted electives.

Total Curriculum Requirements ..... **131 hours**

Suggested Curriculum Guides begin on page 76.

GEOLOGY (B.A)
Department of Earth Sciences
CIP Code: 40.0601

Major Requirements ..... **30 hours**
GLY 108, 109, 309, 311, 409, 410, 415, 420, two additional courses from GLY 351, 408, 490, 499, 535, 540, 550, 580.

Supporting Course Requirements ..... **19-22 hours**
BIO 100 or NAT 101; CHE 101 or 111; MAT 124* or 261*;

NAT 171 or PHY 101 or 131; two semesters of foreign language approved by department.

General Education Requirements ..... 30 hours
Standard General Education program, excluding course categories 03, 04, 13, 14, 15, 16 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.

Free Electives ..... 42-45 hours

Total Curriculum Requirements ..... 128 hours

* Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

GEOLOGY (B.S.)
Department of Earth Sciences
CIP Code: 40.0601

Major Requirements ..... 36 hours
GLY 108, 109, 309, 311, 409, 410, 415, 420, 550, three additional courses from GLY 351, 408, 490, 499, 535, 540, 580. The student may elect to substitute GLY 451 or an approved six semester hour summer field camp in geology for GLY 351 and one other additional course.

Supporting Course Requirements ..... 33 hours
BIO 100 or NAT 101; CHE 111, 112; GEO 353 or 556; MAT 124*, 224, PHY 131, and 132. Some statistics and computer science are recommended.

General Education Requirements ..... 33 hours
Standard General Education program, excluding course categories 03, 13, 14, 15, 16 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.

Free Electives ..... 22 hours

Total Curriculum Requirements ..... 128 hours

* Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

GERMAN (B.A.)
Department of Foreign Languages and Humanities
CIP Code: 16.0501

Major Requirements ..... 30 hours
A student may major in German by completing a minimum of 30 semester hours in German courses numbered 200 and above. The following courses are required: GER 240 or 340, 301 or 302; 360, 460, 440. A grade of "C" or higher is required in each course for credit toward the major. Students are also required to pass a departmental proficiency exam which covers spoken and written language, culture, and literature.

Supporting Course Requirements ..... 3 hours
FCC 222 is required. Strongly recommended: six hours in a second foreign language; three hours each in upper division English courses in grammar and literature; HIS 350.

General Education Requirements ..... 48 hours
Standard General Education program, excluding category 07. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
AHO 100 and three hours of restricted electives.

Free Electives ..... 43 hours

Total Curriculum Requirements ..... 128 hours

Suggested Curriculum Guides begin on page 76.

GERMAN/TEACHING (B.A.)
Department of Foreign Languages and Humanities
CIP Code: 16.0501

Major Requirements ..... 30 hours
A student may major in German by completing 30 hours of German courses numbered 200 and above. The following courses are required: six hours from GER 240 or 340, 301 or 302; 360, 460, 440. A grade of "C" or higher is required in each course for credit toward the major. Students must attain a 2.5 GPA in their teaching major and minor and must pass a departmental proficiency exam, which covers spoken and written language, culture, and literature, to be recommended for student teaching.

Supporting Course Requirements ..... 3 hours
FCC 222 is required. Strongly recommended: six hours in a second foreign language; three hours each in upper division English courses in grammar and literature; HIS 350.

Teacher Education Requirements ..... 34 hours
EDF 103, 203, EPY 319, 413, SED 401; EME 442, EMS 499; ESE 443 and 498.

General Education Requirements ..... 48 hours
Standard General Education program, excluding category 07. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
AHO 100 and three hours restricted electives.

Free Electives ..... 9 hours

Second Teaching Major Recommended
A student with a German Teaching Major is urged to add a second teaching major. Foreign languages, English, and Speech and Theatre Arts share a common teaching methods course; so, second majors in these areas do not need an additional methods course. Students who choose other majors are required to take the special methods course for that major.

Total Curriculum Requirements ..... 128 hours

Suggested Curriculum Guides begin on page 76.

HISTORY (B.A.)
Department of History
CIP Code: 45.0801.01

Major Requirements ..... 34 hours
HIS 200, 202, 203, 449, 450, and 21 upper division hours with a minimum of six hours in each of the following areas:

Area I (U.S.): HIS 300 (3 hrs), 303, 305, 401, 402, 403, 405, 406, 408, 411, 412, 413, 433, 500, 507, 509, 516, 530, or 531.

Area II (Europe): HIS 300 (3 hrs), 315, 336, 339, 340, 342, 345, 346, 347, 350, 354, 363, 365, 500, or 549.
Area III (Non-Western): HIS 300 (3 hrs), 320, 374, 375, 378, 383, 384, 474, 475, or 500.
The remaining upper division history course may come from any of the above areas or from other upper division history courses.
Formal term papers are to be written as part of the course requirements in two of the seven upper division history courses. The two courses with term papers must be in different areas of upper division course distribution.

General Education Requirements ..... 51 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
CSO 100 and three hours of restricted electives.

Free Electives ..... 39 hours
At least three hours of one foreign language is strongly recommended. Students who plan to pursue a graduate degree are strongly encouraged to take at least six hours of a foreign language.

Total Curriculum Requirements ..... 128 hours

Suggested Curriculum Guides begin on page 76.

HISTORY/TEACHING (B.A.)
Department History
CIP Code: 45.0801.01

Major Requirements ..... 34 hours
HIS 200, 202, 203, 449, 450, and 21 upper division hours with a minimum of six hours in each of the following areas:
Area I (U.S.): HIS 300 (3 hrs), 303, 305, 401, 402, 403, 405, 406, 408, 411, 412, 413, 433, 500, 507, 509, 516, 530, or 531.
Area II (Europe): HIS 300, (3 hrs), 315, 336, 339, 340, 342, 345, 346, 347, 350, 354, 363, 365, 500, or 549.
Area III (Non-Western): HIS 300 (3 hrs), 320, 374, 375, 378, 383, 384, 474, 475, or 500.
The remaining upper division history course may come from any of the above areas or from other upper division history courses.
Formal term papers are to be written as part of the course requirements in two of the seven upper division history courses. The two courses with term papers must be in different areas of upper division course distribution.

Supporting Course Requirements ..... 27 hours
ANT 120, SOC 131, ECO 230 and 231, PSY 201 or 202, six hours from GEO 210, 220, or 345; six hours from POL 101, 211, or 220.

Teacher Education Requirements ..... 31 hours
EDF 103, 203, EPY 319, 413, SED 401; ESE 449, 498, and 499.

General Education Requirements ..... 45 hours
Standard General Education program, excluding course categories 09 and 12. Refer to Part Three of this *Catalog* for details on the General Education and University Requirements.

University Requirements ..... 4 hours
CSO 100 and three hours of restricted electives.

Total Curriculum Requirements ..... 141 hours

SECOND MAJOR IN HISTORY
A student may complete a second major in history by completing the major requirements listed above.

Suggested Curriculum Guides begin on page 76.

MATHEMATICS (B.S.)
Department of Mathematics, Statistics, and Computer Science
CIP Code: 27.0101

Program Objectives
Upon successful completion of this program, the graduate will: (1) be able to apply mathematical techniques to social, economic, and scientific problems; (2) understand the importance and power of mathematics in our rapidly changing technological age; (3) be prepared to pursue a graduate program in this or a related area; and (4) be well qualified for employment in any position requiring undergraduate training in mathematics.

Major Requirements ..... 39 hours
MAT 124* or 124H; 214; 224 or 224H; 225 or 225H; 301, 308, 315, 353; either both 408 and 415, or one of 408 or 415 and one of 506, 540, 550, 560; six hours chosen from: CSC 300, 320, STA 370, 520, 521, and any MAT course numbered 300 or above (except for 303, 349, 380, 501, 502, 514). Only courses completed with a grade of at least "C-" will count toward the major requirements.

Supporting Course Requirements ..... 6 hours
CSC 180 or 190, and any three hour STA course numbered 270 or above (except 349). Students planning to attend a graduate school in mathematics are strongly encouraged to select an in-depth study of a single foreign language as a part of their program.

General Education Requirements ..... 42 hours
Standard General Education program, excluding course categories 03, 04 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.

Free Electives ..... 37 hours

Total Curriculum Requirements ..... 128 hours

* Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

MATHEMATICS/TEACHING (B.S.)
Department of Mathematics, Statistics, and Computer Science
CIP Code: 27.0101

Program Objectives
Upon successful completion of this program, the graduate will be qualified for teacher's certification in mathematics and will: (1) understand the principles of pre-college mathematics; (2) be able to explain mathematical concepts and applications to social, economic, and scientific problems; (3) understand the importance and power of mathematics in our rapidly changing technological age; and

(4) be prepared to pursue a graduate program in this or some related area.

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

Major Requirements ..... 36 hours
MAT 124* or 124H; 214; 224 or 224H; 225 or 225H; 285, 301, 308, 315, 334, 380; three hours of courses chosen from: CSC 300, 320, STA 370, 520, 521, and any MAT course numbered 300 or above (except for 303, 349, 501, or 502). All courses must be completed with a grade of at least "C-".

Supporting Course Requirements ..... 9 hours
Three hours of an approved programming language, CSC 104, STA 270. All courses must be completed with a grade of at least a "C-".

Teacher Education Requirements ..... 31 hours
EDF 103, 203, EPY 319, 413, SED 401, ESE 450, 498, 499.

General Education Requirements ..... 42 hours
Standard General Education program, excluding course categories 03, 04 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.

Free Electives ..... 6 hours

Total Curriculum Requirements ..... 128 hours

* Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

MICROBIOLOGY (B.S.)
Department of Biological Sciences
CIP Code: 26.0501

Major Requirements ..... 42 hours
BIO 131 or BIO 141; 211, 315, 316, 320; 328 or 348; 490, 514, 527, 528, 530; CLS 350.

Supporting Course Requirements ..... 35-37 hours
CHE 111, 112, 361 and 366; 325 or 362 and 367; 330 or 530; MAT 124 or 261*; PHY 131, 132.

General Education Requirements ..... 36 hours
Standard General Education program, excluding course categories 13, 14, 15, 16 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.

Free Electives ..... 9-11 hours
To be chosen with advisor's guidance.

Total Curriculum Requirements ..... 128 hours

*Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

MUSIC (B.A.)
Department of Music
CIP Code: 50.0901

Major Requirements ..... 58-73 hours

Core ..... 21 hours
MUS 181, 182, 272, 584, and a minimum of eight hours of applied instrument or voice.

Options

General Music ..... 37 hours
MUS 281, 282, 371, 372, 480, 481, four additional hours of upper division applied instrument or voice, a minimum of eight hours of music ensembles, and upper division music electives (five hours or four plus recital-MUS 499, one optional hour subject to the approval of the student's applied area committee).

Music Merchandising ..... 52 hours
MUS 230, 251, 273, 351, 354, 390, 391, a minimum of eight hours of music ensembles, ACC 201*, ECO 230*, CIS 212*, MGT 300, MKT 300, PUB 375, LAS 210, and 12 hours of business electives to be selected from the following courses: ACC 202, ACS 201, 300, ECO 231, MKT 304, 310, 320, MGT 330, or CIS 230. (The student may add any number of hours of co-op experience (MUS 349) subject to the approval of the music merchandising committee).

Theory and Composition ..... 37 hours
MUS 281, 282, 283 (2), 371, 372, 383, 480, 481, 483 (4); two additional hours from 483 or 585, 555 or 556; and four hours of upper division music electives.

Supporting Course Requirements ..... 15 hours

General Music and Theory and Composition Options
Six hours of foreign language, and three hours lower division and six hours upper division selected from any area in Arts and Humanities, except music.

General Education Requirements ..... 51 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
AHO 100 and three hours of restricted electives.

Total Curriculum Requirements ..... 128 hours

*These three courses must be completed prior to attempting upper division courses in the College of Business.

Suggested Curriculum Guides begin on page 76.

MUSIC (B.M.)
Department of Music
CIP Code: 50.0901

Major Requirements ..... 74 hours
MUS 181, 182, 272, 281, 282, 366; 367 or 368; 371, 372, 383, 399, 480, 481, 499 (2), 550 (1), 551 (1), and three hours from upper division courses in music history and literature. Applied majors, instrument or voice: 23 hours. Two hours credit per semester in first and second years, four hours credit fifth semester, three hours credit sixth semester, and four hours credit seventh and eighth semesters. Music Ensemble: a minimum of eight hours.

Supporting Course Requirements ..... **3 or 6 hours**
Foreign language: voice majors, six hours; instrumental majors, three hours.
General Education Requirements ..... **45 hours**
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
AHO 100 and three hours of restricted electives.
Free Electives (Instrumental Majors Only) ..... **2 hours**
Total Curriculum Requirements (Instrumental Majors) ..... **128 hours**
Total Curriculum Requirements (Voice Majors) ..... **129 hours**

Suggested Curriculum Guides begin on page 76.

MUSIC/TEACHING (B.M.E.)
Department of Music
CIP Code: 13.1312

Major Requirements ..... **46 hours**
MUS 181, 182, 281, 282, 366, 371, 372, 383; EME 378 and ESE 479. Applied major instrument: seven hours (2 hrs. 100 level, 2 hrs. 200 level, 2 hrs. 300 level, and 1 hr. 400 level. 400 level lessons require a 1/4 recital performance). Music Ensemble: seven hours. Wind and percussion majors must elect 3 hours of MUS 256.
Teacher Education Requirements ..... **28 hours**
EDF 103, 203, EPY 319, 413, SED 401, ESE 498, EMS 499.
General Education Requirements ..... **45 hours**
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of the *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
AHO 100 and three hours of restricted electives.
Teacher Certification ..... **10-11 hours**
In addition to the above requirements, student must elect one of the following plans for teacher certification.
Instrumental Major ..... **11 hours**
MUS 364 (1), 365 (1), 367 (2), MUS 230, 251, 252, 320, 330, 351, 352, 354, (instrumental students will be excused from taking the methods course that includes their major applied instrument).
Vocal Major ..... **10 hours**
MUS 364 (1), 365 (1), 368 (2), 230, 252, 351, 354, 513 (2).
Total Curriculum Requirements with Instrumental Major ..... **134 hours**
Total Curriculum Requirements with Vocal Major ..... **133 hours**

Suggested Curriculum Guides begin on page 76.

PARALEGAL SCIENCE (B.A.)
Department of Government/Paralegal Programs
CIP Code: 22.0103

Major Requirements ..... **40 hours**
LAS 210, 220, 300, 320, 325, 350, 385, 399, 410 and 12 hours from LAS 330, 340, 360, 370, 380, 460 or 490.
Supporting Course Requirements ..... **12 hours**
ACC 201, ENG 301, POL 101, and three hours from POL 460, 463, or 464.
General Education Requirements ..... **48 hours**
Standard General Education program, excluding course category (12). Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
CSO 100 and three hours of restricted electives.
Free Electives ..... **24 hours**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

PERFORMING ARTS (B.F.A.)
Department of Speech Communication and Theatre Arts
CIP Code: 50.0501

Major Requirements ..... **65 hours**
THE 110, 135, 200, 235, 280, 285 (2), 130/330 (3), 340 (2), 341, 385 (2); 390 or 391; eight hours of applied voice: (MUS 122, 222, 322, 422), MUS 181, 182, three hours from 272, 273, 371, or 372, and two hours vocal ensemble consisting of appropriate sections of MUS 225 or 226 starting the first semester of entrance into the program. Candidates must meet piano certification requirements as stated in the music section of this *Catalog*. Fifteen hours to be chosen, in consultation with the departmental advisor, from the following courses: THE 150, 210, 220, 285, 310, 311, 320, 335, 385, 390, 391, 430, 435, 442, 490, 499, MUS 272, 273, 371, 372, 322, 422, 225, or 226.
General Education Requirements ..... **51 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
AHO 100 and three hours of restricted electives.
Free Electives ..... **8 hours**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

PHILOSOPHY (B.A.)
Department of Philosophy and Religion
CIP Code: 38.0101

Major Requirements ..... **36 hours**
PHI 100, 110, 130, 300, 320, 330, 333, 371, 499; plus any additional nine hours in philosophy as approved by the department chair. Six hours of religion may be counted as part of the nine hours.
General Education Requirements ..... **51 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **4 hours**
AHO 100 and three hours of restricted electives.
Free Electives ..... **37 hours**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

PHYSICAL SCIENCE/TEACHING (B.S.)
CIP Code: 40.0101

Refer to the College of Education section of this *Catalog* regarding several teacher certification requirements associated with this degree program.

Major Requirements ..... **48 hours**
AST 135, BIO 317 or NAT 363, CHE 111, 112, 325, 361; PHY 201, 202, 300, 301; GLY 302, six hours from GLY 108, 109, 304, 390.
Supporting Course Requirements ..... **14 hours**
BIO 100 or NAT 101, CSC 104, MAT 124*, 224.
Teacher Education Requirements ..... **31 hours**
EDF 103, 203, EPY 319, 413, SED 401, ESE 451, 498, 499.
General Education Requirements ..... **30 hours**
Standard General Education program, excluding course categories 03, 04, 13, 14, 15, 16 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
NMO 100 and three hours of restricted electives.
Free Electives ..... **1 hour**
Total Curriculum Requirements ..... **128 hours**

*Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

PHYSICS (B.S.)
Department of Physics and Astronomy
CIP Code: 40.0801

Major Requirements ..... **37 hours**
Core ..... **21 hours**
PHY 201, 202, 300, 301; 306 or 308; 558. At the discretion of the chair, PHY 131 may be substituted for PHY 201.
Options
Physics (General) ..... **16 hours**
PHY 520, 559, nine hours from any physics course numbered 300 and above, except PHY 506.
Engineering Physics ..... **16 hours**
PHY 221, 315, 375, six hours from CSC 300, EET 253, 257, 305, 350, 355, PHY 303, 306, 308, 502, 510, STA 270.
Supporting Course Requirements ..... **30 hours**
CHE 111, 112, CSC 174 (or any approved programming language course), MAT 124*, 224, 225, 353, EET 252.
General Education Requirements ..... **33 hours**
Standard General Education program, excluding courses categories 03, 04, 14, 15, 16 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
NMO 100 and three hours of restricted electives.
Free Electives ..... **24 hours**
Total Curriculum Requirements ..... **128 hours**

*Preparatory course (MAT 109) in mathematics may be required before admission to MAT 124.

Suggested Curriculum Guides begin on page 76.

POLITICAL SCIENCE (B.A.)
Department of Government
CIP Code: 45.1001

Major Requirements ..... **33 hours**
POL 101; nine hours from international relations and/or comparative courses, six hours of which must be from courses numbered 300 and above: nine hours from American Government and/or Public Administration courses; in addition to POL 101; POL 280, three hours from POL 551, 552 or 553; plus six other hours in political science. A total of 18 hours must be in courses numbered 300 or above. *(To identify courses in international relations, comparative government, American government, public administration, and methodology see the note preceding POL course descriptions.)*
General Education Requirements ..... **51 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
CSO 100 and three hours of restricted electives.
Free Electives ..... **40 hours**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

PSYCHOLOGY (B.S.)
Department of Psychology
CIP Code: 42.0101

Major Requirements ..... **34 hours**
PSY 201, 202, 291, 301, and one course must be taken from each of the following groups:
(1) PSY 300, 305, 308, 312, 314, or 316.
(2) PSY 302, 319, 405, 406, or 490.
(3) PSY 311, 313, 315, or 317.
(4) PSY 349 (three hours) or PSY 401.
In addition, the student must take nine hours of psychology electives, at least six of which must be upper division. A minimum grade of "C" is required in all courses counted toward the major.
General Education Requirements ..... **51 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
CSO 100 and three hours of restricted electives.
Free Electives ..... **39 hours**
Total Curriculum Requirements ..... **128 hours**

SECOND MAJOR IN PSYCHOLOGY

Requirements are the same for a first or a second major in psychology.

Suggested Curriculum Guides begin on page 76.

SOCIAL WORK (B.S.W.)

Department of Anthropology, Sociology, and Social Work/Social Work Program

CIP Code: 44.0701

Major Requirements ..... **45 hours**
SWK 210, 225, 310, 311, 335, 350, 354, 355, 358, 360, 390, 410, and 490.

Supporting Course Requirements ..... **15 hours**
POL 101, PSY 202, SOC 131, 232, and 400.

General Education Requirements ..... **45 hours**
Standard General Education program, excluding course categories 09 and 12. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **4 hours**
CSO 100 and three hours of restricted electives.

Free Electives ..... **19 hours**
To broaden their experience and knowledge, students are encouraged to complete their programs with electives selected from anthropology, child development, economics, health, foreign language, law enforcement, political science, psychology, recreation, sociology, special education, and speech.

Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

SOCIOLOGY (B.A.)

Department of Anthropology, Sociology, and Social Work

CIP Code: 45.1101.01

Major Requirements ..... **30 hours**
SOC 131, 232, 395, 461, a minimum of three hours from SOC 420, 460, 463, or 470; and 15 hours of sociology electives, 12 of which must be upper division hours.

General Education Requirements ..... **51 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **4 hours**
CSO 100 and three hours of restricted electives.

Free Electives ..... **43 hours**

Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

SPANISH (B.A.)

Department of Foreign Languages and Humanities

CIP Code: 16.0905

Major Requirements ..... **30 hours**
A student who majors in Spanish will take a minimum of 30 semester hours in courses numbered 200 and above; 21 of these hours must be at the 300 level or above. A grade of "C" or higher is required in each course for credit toward the major. Students are also required to pass a departmental proficiency exam which covers spoken and written language, culture, and literature.

Supporting Course Requirements ..... **3 hours**
FCC 226 is required. Strongly recommended: six hours in a second foreign language; three hours each in upper division English courses in grammar and literature; HIS 384.

General Education Requirements ..... **48 hours**
Standard General Education program, excluding category 07. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **4 hours**
AHO 100 and three hours of restricted electives.

Free Electives ..... **43 hours**

Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

SPANISH/TEACHING (B.A.)

Department of Foreign Languages and Humanities

CIP Code: 16.0905

Major Requirements ..... **30 hours**
A student may major in Spanish by completing a minimum of 30 hours in courses numbered 200 and above; 21 of these hours must be at the 300 level or above. The following courses are required: SPA 206 (waived in case of demonstrable oral proficiency); six hours from 301, 405, 406, or 407; 360. A grade of "C" or higher is required in each course for credit toward the major. Students must attain a 2.5 GPA in their teaching major and must pass a departmental proficiency exam, which covers spoken and written language, culture, and literature, to be recommended for student teaching.

Supporting Course Requirements ..... **3 hours**
FCC 226 is required. Strongly recommended: six hours in a second foreign language: three hours each in upper division English courses in grammar and composition; HIS 384.

Teacher Education Requirements ..... **34 hours**
EDF 103, 203, EPY 319, 413, SED 401; EME 442, ESE 443, 498, and EMS 499.

General Education Requirements ..... **48 hours**
Standard General Education Program, excluding category 07. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **4 hours**
AHO 100 and three hours of restricted electives.

Free Electives ..... **9 hours**

Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 76.

SPEECH COMMUNICATION (B.A.)

Department of Speech Communication and Theatre Arts

CIP Code: 09.9999.02

Major Requirements ..... **54-59 hours**

Core ..... **36 hours**
SPE 200, 205, 210, 250, 300, 310, 320, 350, 370, 406, 410, and SOC 232.

Options

Alternative Dispute Resolution ..... 21 hours
SPE 325, 420, 450 and 415; LAS 101, 204 and POL 460.

Health Communication ..... 21 hours
Required ..... 12 hours
SPE 353, 375, 450, 400 or 490
Electives ..... 9 hours
Choose from SOC 353, HEA 315, 463, or 281 (2) and 440 (1).

Human Services Communication ..... 18 hours
Required ..... 9 hours
SPE 325 and six hours from SPE 420, 450, 400 or 490
Cognate ..... 9 hours
A cognate area (such as sociology, public relations, counseling, psychology) to be selected by the student in strict consultation with the advisor.

Organizational Communication ..... 23 hours
SPE 325 or 450, and
SPE 375 or ACS 210 or GBU 201 and
SPE 400
ENG 300 and GSL 201 (2)
ACC 201, ECO 231, CIS 212 or CSC 104.

General Education Requirements ..... 49 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
AHO 100 and three hours of restricted electives.

Free Electives ..... 15-21 hours

Total Curriculum Requirements ..... 128 hours

Suggested Curriculum Guides begin on page 76.

SPEECH AND THEATRE ARTS (B.A.)
Department of Speech Communication and Theatre Arts
CIP Code: 23.1001.02

Major Requirements ..... 41 hours
SPE 200, 205, 210, 310; 400 or 410; THE 110, 135, 150, 210, 220, 235, 130/330 (2), 341; and 390 or 391.

General Education Requirements ..... 49 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
AHO 100 and three hours of restricted electives.

Free Electives ..... 34 hours

Total Curriculum Requirements ..... 128 hours

Suggested Curriculum Guides begin on page 76.

SPEECH AND THEATRE ARTS/TEACHING (B.A.)
Department of Speech Communication and Theatre Arts
CIP Code: 23.1001.02

Major Requirements ..... 38 hours
SPE 200, 205, 210, 310, 400 or 410. THE 110, 135, 150, 220, 235, 130/330 (2), 341; and 390 or 391.

Minor Requirements ..... 27 hours
A 27-hour teaching minor in English is required. ENG 301, 302, 350 or 351; 352 or 353; 405, 410; 510 or 520; 335 or 430; and ESE 574.

Teacher Education Requirements ..... 31 hours
EDF 103, 203, EPY 319, 413, SED 401; ESE 443, 498, and 499.

General Education Requirements ..... 49 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
AHO 100 and three hours of restricted electives. (Restricted electives may count toward the minor to reduce the hours in the total curriculum.)

Total Curriculum Requirements ..... 149 hours

Suggested Curriculum Guides begin on page 76.

STATISTICS (B.S.)
Department of Mathematics, Statistics, and Computer Science
CIP Code: 27.0501

Program Objectives

Upon successful completion of this program, the graduate will: (1) understand the applications and use of statistics in everyday life; (2) be able to apply a wide variety of statistical techniques; (3) be familiar with computer packages which perform statistical analysis; (4) be well qualified for employment in industry, government, and the actuarial profession; and (5) be prepared to pursue graduate work in statistics.

Major Requirements ..... 42 hours
STA 270, 271, 370, 520, 521, two of STA 375, 501, 575, with a cumulative GPA of 2.0 in these STA courses; MAT 124* or 124H; 214; 224 or 224H; 225 or 225H; six hours of CSC/MAT/STA numbered 300 or above (except for 349 and CSC 305, 306, MAT 303, 501, 502, STA 500, 503).

Supporting Course Requirements ..... 3 hours
Three hours of an approved programming language.

General Education Requirements ..... 45 hours
Standard General Education program, excluding courses in categories 03 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.

Free Electives ..... 34 hours

Total Curriculum Requirements ..... 128 hours

* Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

THEATRE ARTS (B.A.)
Department of Speech Communication and Theatre Arts
CIP Code: 50.0501

Major Requirements ..... 41 hours
THE 110, 135, 150, 200, 210, 220, 235; 285 or 385; three hours from THE 310, 311 or 320; THE 341, 390, 391, 430, 130/330 (4).

General Education Requirements ..... 51 hours
Standard General Education Program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
AHO 100 and three hours of restricted electives.

Free Electives ..... 32 hours

Total Curriculum Requirements ..... 128 hours

Suggested Curriculum Guides begin on page 76.

WILDLIFE MANAGEMENT (B.S.)
Department of Biological Sciences
CIP Code: 03.0601

Major Requirements ..... 59-62 hours
BIO 131, 141, 211, 315, 316; 320 or 342; 328 or 348; 335, 381, 382, 489, 490, 514, 553, 554, 585, 586; one course from BIO 340, 518, 522, 525, 536, 542, 556, 557, 558, 561, 599.

Supporting Course Requirements ..... 27-28 hours
CHE 111, 112; MAT 108 or MAT 124* or MAT 261*; STA 215 or STA 270; AGR 215; minimum of 9 semester hours from CHE 330; 361 and 366; 362 and 367; GLY 108, GEO 355, 353, 556, STA 271, PHY 131, 132.

General Education Requirements ..... 33 hours
Standard General Education program, excluding course categories 03, 13, 14, 15, 16 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
NMO 100 and three hours of restricted electives.

Free Electives ..... 1-5 hours

Total Curriculum Requirements ..... 128 hours

*Preparatory course in mathematics (MAT 109) may be required before admission to calculus.

Suggested Curriculum Guides begin on page 76.

PRE-PROFESSIONAL DEGREES

Suggested Curriculum Guide for Pre-Forestry

Freshman Year

First Semester

ENG 101	3
BIO 131	4
MAT 124	4
NMO 100	1
Gen. Ed (09)	3
HPR 180	1
TOTAL	**16**

Second Semester

ENG 102	3
BIO 141	4
GLY 108	3
Gen. Ed (07)	3
STA 215 or STA 270	3
TOTAL	**16**

Summer

Electives	6
TOTAL	**6**

Sophomore Year

First Semester

BIO 211	4
CHE 111	4
CON 221	3
AGR 215	3
Gen. Ed (05)	3
TOTAL	**17**

Second Semester

BIO 335	3
CHE 112	5
SPE 100 or SPE 300	3
Gen. Ed (06)	3
TEC 190	3
TOTAL	**17**

Summer

Electives	6
TOTAL	**6**

Junior Year

First Semester

BIO 536	3
BIO 315	4
PHY 131	5
CSC 174	3
Gen. Ed. (10)	3
TOTAL	**18**

Second Semester

BIO 328	4
ENG 300	3
Gen. Ed. (11)	3
Restricted Elective	3
HPR 282	1
HEA 281	2
TOTAL	**16**

Suggested Curriculum Guide for Pre-Optometry

Freshman Year

First Semester

BIO 141	4
ENG 101	3
CHE 111	4
MAT 109	5
NMO 100	1
TOTAL	**17**

Second Semester

BIO 211	4
ENG 102	3
CHE 112	5
MAT 124	4
TOTAL	**16**

Intersession/Summer

PHY 131 and PHY 132	10
TOTAL	**10**

Sophomore Year

First Semester

CHE 361	4
CHE 366	1
BIO 320	4
MAT 224	4
Restricted Elective	3
TOTAL	**16**

Second Semester

CHE 362	4
CHE 367	1
PSY 201 or PSY 202	3
HPR 180	1
SOC SCI	3
STA 270	3
TOTAL	**15**

Summer

Social Science	3
HPR 282	1
TOTAL	**4**

Suggested Curriculum Guide for Pre-Pharmacy

Freshman Year

First Semester

ENG 101	3
BIO 171	3
MAT 124	4
CHE 111	4
NMO 100	1
TOTAL	**15**

Second Semester

ENG 102	3
BIO 141	4
CHE 112	5
ECO 230	3
Gen. Ed.	3
TOTAL	**18**

Summer

Gen. Ed.	6
TOTAL	**6**

Sophomore Year

First Semester

CHE 361	4
CHE 366	1
PHY 131	5
BIO 320	4
Gen. Ed	3
TOTAL	**17**

Second Semester

CHE 362	4
CHE 367	1
PSY 132	5
Gen. Ed	9
TOTAL	**19**

Suggested Curriculum Guide for Pre-Medical Sciences/Biology (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
NMO 100	1	BIO 211	4	BIO 316	4	BIO 514	3
BIO 131 or 141	4	MAT 124	4	BIO 320	4	BIO Elective	3
CHE 111	4	PSY 201 or 202	3	CHE 361	4	PHY 131	5
Gen. Ed (01)	3	Gen. Ed (05)	3	CHE 366	1	Gen. Ed (07)	3
Gen. Ed. (17)	1	Gen. Ed (11)	3	Elective	3	Elective	3
Gen. Ed. (09)	3	TOTAL	17	UWR		TOTAL	17
TOTAL	16	Second Semester		TOTAL	16	Second Semester	
Second Semester		BIO 315	4	Second Semester		BIO 490	1
BIO 131 or 141	4	STA 215 or 270	3	BIO 328 or 348	4	PHY 132	5
CHE 112	5	Gen. Ed (06)	3	CHE 362	4	Electives	7
Gen. Ed (02)	3	SPE 301	2	CHE 367	1	TOTAL	13
Gen. Ed. (18)	1	Restricted Elective	3	Gen. Ed (04, 08, or 12)	3		
Gen. Ed. (10)	3	Electives	3	Elective	3		
TOTAL	16	TOTAL	18	TOTAL	15		

Suggested Curriculum Guide for Pre-Medical Sciences/Chemistry (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
NMO 100	1	CHE 361	4	CHE 470	4	Gen Ed (04, 08, or 12)	3
CHE 111	4	CHE 366	1	Gen Ed (11)	3	Electives*	14
Gen. Ed. (01)	3	Gen. Ed (18)	1	Gen Ed (06)	3	TOTAL	17
Gen. Ed (17)	1	PHY 131	5	Electives*	5	Second Semester	
MAT 124	4	Gen. Ed (09)	3	UWR		Gen. Ed. (13)	3
Restricted Elective	3	SPE 301	2	TOTAL	15	Electives*	9
TOTAL	16	TOTAL	16	Second Semester		CHE Elective	3
Second Semester		Second Semester		CHE 325	4	TOTAL	15
CHE 112	5	CHE 362	4	Gen Ed (07)	3		
Gen. Ed. (02)	3	CHE 367	1	Electives*	9		
PSY 201 or 202	3	PHY 132	5	TOTAL	16		
Gen. Ed (03)	3	Gen. Ed (10)	3				
Elective*	3	Gen. Ed (05)	3				
TOTAL	17	TOTAL	16				

*Elective courses should include BIO 141, 211, 315, 320, 348, 546, and 547 for pre-medical and pre-dental students in this degree program.

Suggested Curriculum Guide for Pre-Veterinary Medicine/Biology (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
NMO 100	1	BIO 211	4	PHY 131	5	BIO 316	4
BIO 131 or 141	4	MAT 124 or 261	4	BIO 315	4	BIO 514	3
CHE 111	4	CHE 361	4	BIO 320	4	Restricted Elective	3
ENG 101 or 105	3	CHE 366	1	ENG 300 or 301	3	SPE 100	3
MAT 107	3	ENG 211	3	HEA 281	2	TOTAL	13
HPR 180	1	HPR 282	1	UWR		Second Semester	
TOTAL	16	TOTAL	17	TOTAL	18	BIO 499	1
Second Semester		Second Semester		Second Semester		BIO 300-500 Elective	3-4
BIO 131 or 141	4	CHE 362	4	PHY 132	5	Electives	5-6
CHE 112	5	CHE 367	1	BIO 348	4	TOTAL	10
ENG 102	3	AGR 421 (Even Years)	3	STA 215 or 270	3		
PHI 100 or 130	3	AGR 372A (Even Years)	1	Gen Ed (12)	3		
HIS 231 or HIS 246	3	ENG 212	3	Gen Ed (07)	3		
TOTAL	18	HIS 232 or HIS 247	3	TOTAL	18		
		Gen Ed (09)	3				
		TOTAL	18				

Transfer to Auburn University, School of Veterinary Medicine

Suggested Curriculum Guide for Pre-Veterinary Medicine/Chemistry (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
NMO 100	1	CHE 361	4	CHE 470	4	Restricted Elective	3
CHE 111	4	CHE 366	1	ENG 300 or 301	3	Electives	8
BIO 141	4	PHY 131	5	HIS 231 or GSS 246	3	SPE 301	3
ENG 101 or 105	3	ENG 211	3	Gen. Ed (09)	3	TOTAL	14
MAT 107	3	BIO 315 or 320 or 348	4	HEA 281	2	Second Semester	
HPR 180	1	TOTAL	17	PHI 100 or 130	3	Electives	9
TOTAL	16	Second Semester		UWR		CHE Elective	3
Second Semester		CHE 362	4	TOTAL	18	TOTAL	12
CHE 112	5	CHE 367	1	Second Semester			
ENG 102	3	PHY 132	5	CHE 325 (Odd Years)	4		
BIO 211	4	ENG 212	3	BIO 315 or 320 or 348	4		
MAT 124 or 261	4	AGR 421 (Even Years)	3	HIS 232 or GSS 247	3		
HPR 282	1	AGR 372A (Even Years)	1	Gen Ed. (12)	3		
TOTAL	17	TOTAL	17	Gen Ed (07)	3		
				TOTAL	17		

Transfer to Auburn University, School of Veterinary Medicine

ASSOCIATE DEGREES

Suggested Curriculum Guide for Paralegal Studies (A.A.)

Freshman Year

First Semester

CSO 100	1
LAS 210	3
POL 101	3
Gen. Ed (Humanities and Natural Science, or MAT 106 or MAT 107)	6
Gen. Ed. (01)	3
TOTAL	**16**

Second Semester

LAS 220	3
Gen. Ed (02)	3
ACC 201	3
Restricted Elective (must be from any area of Gen. Ed except POL)	3*
LAS 320	3
TOTAL	**15**

Sophomore Year

First Semester

LAS 325	3
LAS 300	3
Restricted Elective	3
Paralegal Electives (LAS 330, 340, 360, 370, or 380)	6
ENG 301	3
TOTAL	**18**

Second Semester

LAS 350	3
LAS 385	3
Paralegal Elective (LAS 330, 340, 360, 370 or 380)	3
LAS 399 (Paralegal Internship)	4
LAS 410 Seminar	3**
TOTAL	**16**

(*)These three hours satisfy two overlapping requirements three hours of General Education and two hours of restricted electives. Total hours counted for degree are three.

(**)LAS 410 may not be offered in the spring and most A A students finish in the summer when LAS 410 is offered.

Suggested Curriculum Guide for Science for Engineering (A.S.)

Freshman Year

First Semester

CHE 111	4
Gen. Ed (01)	3
NM0 100	1
MAT 124	4
Gen. Ed (05 or 06)	3
TOTAL	**15**

Second Semester

CHE 112	5
Gen. Ed (02)	3
MAT 224	4
Gen. Ed (09)	3
Elective**	3
TOTAL	**18**

Sophomore Year

First Semester

PHY 201	5
MAT 225	4
Comp Lang	3
Electives** or Restricted Electives	4
TOTAL	**16**

Second Semester

PHY 202	5
Electives** or Restricted Electives	10
TOTAL	**15**

**Electives should be selected to satisfy requirements of school of engineering

BACCALAUREATE DEGREES

Suggested Curriculum Guide for Anthropology Major (B.A.)

Freshman Year

First Semester

CSO 100	1
Gen. Ed (01)	3
ANT 120	3
Gen. Ed (07, 09 and 13)	9
Gen Ed (17)	1
TOTAL	**17**

Second Semester

Gen. Ed (10 and 14)	6
Gen. Ed (02)	3
ANT 210	3
ANT 201	3
Gen. Ed (18)	1
TOTAL	**16**

Sophomore Year

First Semester

Gen. Ed. (05)	3
ANT 211	3
Gen Ed (03 and 15)	6
Gen Ed (21)	3
Gen. Ed. (19)	2
TOTAL	**17**

Second Semester

Gen Ed (06)	3
ANT 350	3
Gen. Ed (11)	3
Gen Ed (04, 08, 12, or 16)	6
Gen Ed. (20)	2
Elective	1
TOTAL	**18**

Junior Year

First Semester

Restricted Elective	3
ANT 310 or ANT Elective	3
ANT 353, 355, 360, 470 or equivalent	3
Upper Division Elective	3
Elective	3
UWR	
TOTAL	**15**

Second Semester

ANT 365, 380, or 385	3
ANT 330, 331, or 435	3
Upper Division Electives	9
TOTAL	**15**

Senior Year

First Semester

ANT 390	3
Upper Division Electives	6
Electives	6
TOTAL	**15**

Second Semester

ANT 395	3
Upper Division Electives	6
Electives	6
TOTAL	**15**

Suggested Curriculum Guide for Art (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
AHO 100	1	Gen. Ed. (18)	1	ART 391	3	ART 562	3
ART 100	3	Art Core: 2-D and/or		Gen. Ed (20)	2-3	Gen. Ed. (04 or 08)	3
ART 152 or 153	3	3-D Studios	6	Art Core: 2-D or		Restricted Elective	3
Gen. Ed. (01)	3	Gen. Ed. (03)	3	3-D Studio	3	Free Electives	
Gen. Ed. (17)	1	Gen. Ed. (05)	3	Gen. Ed (07)	3	(or Minor)	7
MAT 105	3	Gen. Ed. (10)	3	Gen. Ed (11)	3	TOTAL	16
Gen. Ed. (09)	3	TOTAL	16	Free Elective	3	Second Semester	
TOTAL	17	Second Semester		UWR		Gen. Ed. (12 or 16)	3
Second Semester		ART 390	3	TOTAL	17-18	Free Electives	
ART 101	3	Art Core: 2-D and/or		Second Semester		(or Minor)	12
ART 152 or 153	3	3-D Studios	6	Art Core: 2-D or		TOTAL	15
ART 164	3	Gen. Ed. (06)	3	3-D Studio	3		
Gen. Ed (02)	3	Gen Ed. (13 or 14)	3	Art History Elective	3		
Gen. Ed (19)	2	TOTAL	15	Gen. Ed (15)	3		
Gen. Ed (13 or 14)	3			Free Electives (or Minor)	6		
TOTAL	17			TOTAL	15		

Suggested Curriculum Guide for Art/Studio Option (B.F.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
AHO 100	1	Gen. Ed (18)	1	ART 391	3	ART 562	3
ART 100	3	Art Core 2-D and/or		Gen. Ed (20)	2-3	B.F.A. Studio Option	3
ART 152 or 153	3	3-D Studios	6	Art Core: 2-D or		Art Elective**	3
Gen. Ed. (01)	3	Gen. Ed. (03)	3	3-D Studio	3	Gen Ed (11)	3
Gen. Ed. (17)	1	Gen. Ed. (05)	3	B F A. Studio Option	3	Free Elective	3
MAT 105	3	Gen. Ed. (10)	3	Art Elective**	3	TOTAL	15
Gen. Ed (09)	3	TOTAL	16	Gen. Ed. (06)	3	Second Semester	
TOTAL	17	Second Semester		UWR		ART 499	3
Second Semester		ART 390	3	TOTAL	17-18	B.F A. Studio Option	3
ART 101	3	Art Core: 2-D and/or		Second Semester		Art Elective**	3
ART 152 or 153	3	3-D Studios	6	Art Core: 2-D or		Gen. Ed. (04, 12, or 16)	3
ART 164	3	B.F.A. Studio Option*	3	3-D Studio	3	Free Elective	3
Gen. Ed. (02)	3	Gen Ed. (13 or 14)	3	B F A. Studio Option	3	TOTAL	15
Gen. Ed (19)	2	TOTAL	15	Art History Elective	3		
Gen Ed (13 or 14)	3			Art Elective**	3		
TOTAL	17			Gen. Ed (15)	3		
				TOTAL	15		

*Admission to candidacy for the B F A. is conditional upon meeting qualifications and having a portfolio reviewed and approved during or following the fourth semester. Students wishing to pursue the B F.A degree should consult with a departmental advisor to obtain a copy of the Entrance Criteria and Degree Requirements for the B.F.A. prior to application for admission to the program

**Graphic Design majors replace art electives with other specified requirements listed under B F.A Studio Options

Suggested Curriculum Guide for Art/Teaching (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
AHO 100	1	ART 390	3	EPY 413	2	ART 460	3
ART 100	3	EDF 203	2	Gen. Ed (18)	1	ART 562	3
ART 152 or 153	3	Art Core 2-D and/or		Gen. Ed (20)	2-3	ESE 498	3
EDF 103	2	3-D Studios	6	Art Core: 2-D and/or		EME 439	3
Gen. Ed (01)	3	Gen. Ed (03)	3	3-D Studio	6	SED 401	3
Gen. Ed (17)	1	Gen. Ed (09)	3	Gen. Ed (05)	3	TOTAL	15
MAT 105	3	TOTAL	17	Gen. Ed (11)	3	Second Semester	
TOTAL	16	Second Semester		UWR		ESE 440	3
Second Semester		ART 391	3	TOTAL	17-18	EMS 499	12
ART 101	3	EPY 319	4	Second Semester		TOTAL	15
ART 152 or 153	3	Art Core: 2-D and/or		Art Core: 2-D or 3-D			
ART 164	3	3-D Studios	3	Studio	3		
Gen. Ed. (02)	3	Gen. Ed. (10)	3	Art History Elective	3		
Gen. Ed. (19)	2	Gen. Ed. (13 or 14)	3	Gen. Ed (06)	3		
Gen. Ed. (13 or 14)	3	TOTAL	16	Gen. Ed (15)	3		
TOTAL	17			Gen. Ed (04, 12, or 16)	3		
				Restricted Elective	3		
				TOTAL	18		

Suggested Curriculum Guide for Biology (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
NMO 100	1	BIO 211	4	BIO 316	4	BIO 514	3
BIO 131 or BIO 141	4	MAT 124	4	BIO 320	4	BIO Elective	3
CHE 111	4	Gen. Ed. (19)	2	CHE 361	4	PHY 131	5
Gen. Ed (01)	3	Gen. Ed. (05)	3	CHE 366	1	Gen. Ed. (07)	3
Gen. Ed (17)	1	Gen. Ed (11)	3	Elective*	3	Elective*	3
Gen. Ed (09)	3	**TOTAL**	**16**	UWR		**TOTAL**	**17**
TOTAL	**16**	**Second Semester**		**TOTAL**	**16**	**Second Semester**	
Second Semester		BIO 315	4	**Second Semester**		BIO 490	1
BIO 131 or BIO 141	4	STA 215 or STA 270	3	BIO 328 or BIO 348	4	PHY 132	5
CHE 112	5	Gen. Ed. (06)	3	CHE 362	4	Electives*	8
Gen. Ed. (02)	3	SPE 301	2	CHE 367	1	**TOTAL**	**14**
Gen. Ed. (18)	1	Restricted Elective	3	Gen. Ed. (04, 08, or 12)	3		
Gen. Ed. (10)	3	Elective*	3	Elective*	3		
TOTAL	**16**	**TOTAL**	**18**	**TOTAL**	**15**		

*Properly selected electives will allow a student additional options, including the following

1) complete a degree option in Aquatic Biology, Botany, or Cell and Molecular Biology;
2) complete premedical, predental or preveterinary medicine training;
3) concentrate in a specialty of biology, such as botany or zoology; or
4) begin training toward advanced studies in marine biology

Suggested Curriculum Guide for Biology/Teaching (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
NMO 100	1	BIO 211	4	BIO 316	4	BIO 490	1
BIO 131 or BIO 141	4	MAT 124[1]	4	BIO 320	4	BIO 514	3
CHE 111	4	Gen. Ed (19)	2	PHY 131	5	BIO Elective	3-4
Gen. Ed (01)	3	Gen. Ed. (11)	3	EPY 319	4	ESE 498	3
Gen. Ed (17)	1	EDF 103	2	UWR		Gen. Ed (07)	3
Gen. Ed (09)	3	**TOTAL**	**15**	**TOTAL**	**17**	SED 401	3
TOTAL	**16**	**Second Semester**		**Second Semester**		**TOTAL**	**16-17**
Second Semester		BIO 315	4	BIO 328 or BIO 348	4	**Second Semester**	
BIO 131 or BIO 141	4	STA 215 or STA 270	3	PHY 132[3]	5	ESE 441	3
CHE 112	5	Gen. Ed (05)	3	EPY 413	2	ESE 499	12
Gen. Ed (02)	3	CSC 104	3	Gen. Ed (06)	3	**TOTAL**	**15**
Gen. Ed (18)	1	Restricted Elective	3	SPE 301	2		
Gen. Ed (10)	3	EDF 203	2	**TOTAL**	**16**		
TOTAL	**16**	**TOTAL**	**18**				
		Intersession					
		CHE 361 and CHE 366	5				
		TOTAL	**5**				
		Summer					
		CHE 362[2] and CHE 367[2]	5				
		TOTAL	**5**				

[1]MAT 107 or MAT 109 or MAT 261 may be substituted for this course
[2]CHE 330 may be substituted for these courses.
[3]GLY 108 may be substituted.

Suggested Curriculum Guide for Chemistry (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
NMO 100	1	CHE 361	4	CHE 470	4	Gen. Ed (04, 08, or 12)	3
CHE 111	4	CHE 366	1	Gen. Ed. (11)	3	Electives*	14
Gen. Ed. (01)	3	Gen. Ed (18)	1	Gen. Ed (06)	3	**TOTAL**	**17**
Gen. Ed (17)	1	PHY 131	5	Electives*	5	**Second Semester**	
MAT 124	4	Gen. Ed (09)	3	UWR		Gen. Ed (13)	3
Restricted Elective	3	SPE 301	2	**TOTAL**	**15**	Electives	10
TOTAL	**16**	**TOTAL**	**16**	**Second Semester**		CHE Elective	3
Second Semester		**Second Semester**		CHE 325	4	**TOTAL**	**16**
CHE 112	5	CHE 362	4	Gen. Ed. (07)	3		
Gen Ed (02)	3	CHE 367	1	Electives*	9		
Gen. Ed (19)	2	PHY 132	5	**TOTAL**	**16**		
Gen. Ed (03)	3	Gen. Ed (10)	3				
Elective*	3	Gen. Ed (05)	3				
TOTAL	**16**	**TOTAL**	**16**				

*Elective courses should include. BIO 141, 211, 315, 320, 348, 546, and 547 for pre-medical and pre-dental students in this degree program.

Suggested Curriculum Guide for Chemistry/Chemistry Option (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
NMO 100	1	CHE 361	4	CHE 471	3	CHE 550	3
Gen. Ed. (01)	3	CHE 366	1	CHE 480	1	CHE 473	1
CHE 111	4	MAT 225	4	Electives	4	Gen. Ed (06)	3
MAT 124	4	PHY 201	5	Gen. Ed (11)	3	Electives	9
Gen. Ed. (17)	1	Gen. Ed. (09)	3	Gen. Ed (18)	1	**TOTAL**	**16**
Restricted Elective	3	**TOTAL**	**17**	Gen. Ed (04, 08, or 12)	3	**Second Semester**	
TOTAL	**16**	**Second Semester**		UWR		CHE 515	4
Second Semester		CHE 362	4	**TOTAL**	**15**	CHE 525	4
CHE 112	5	CHE 367	1	**Second Semester**		CHE 481	1
Gen. Ed. (13)	3	PHY 202	5	CHE 472	3	Gen Ed (07)	3
Gen. Ed. (02)	3	CHE 325	4	CHE 473	1	Elective	3
MAT 224	4	Gen. Ed. (10)	3	Electives	6	**TOTAL**	**15**
Gen. Ed. (19)	2	**TOTAL**	**17**	SPE 301	2		
TOTAL	**17**			Gen Ed (05)	3		
				TOTAL	**15**		

Suggested Curriculum Guide for Chemistry/Biochemistry Option (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
NMO 100	1	CHE 361	4	CHE 471	3	CHE 480	1
Gen Ed (01)	3	CHE 366	1	SPE 301	2	CHE 473	1
CHE 111	4	MAT 225	4	BIO 211	4	BIO 331	3
MAT 124	4	PHY 201	5	CHE 530	4	Gen Ed. (04, 08, or 12)	3
Gen Ed (17)	1	Gen. Ed (09)	3	Gen. Ed. (11)	3	Electives	4
Restricted Elective	3	**TOTAL**	**17**	UWR		Gen. Ed (06)	3
TOTAL	**16**	**Second Semester**		**TOTAL**	**16**	**TOTAL**	**15**
Second Semester		CHE 362	4	**Second Semester**		**Second Semester**	
CHE 112	5	CHE 367	1	CHE 472	3	CHE 481	1
BIO 141	4	PHY 202	5	CHE 473	1	Gen. Ed (07)	3
Gen. Ed. (02)	3	CHE 325	4	BIO 315 or BIO 320	4	Gen. Ed (18)	1
MAT 224	4	Gen Ed. (10)	3	CHE 531	3	Electives*	10
TOTAL	**16**	**TOTAL**	**17**	Gen. Ed (05)	3	**TOTAL**	**15**
				Gen. Ed (19)	2		
				TOTAL	**16**		

*Strongly recommended electives for Senior year - Research (CHE 495) and Instrumental Analysis (CHE 525)

Suggested Curriculum Guide for Computer Science (General) (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CSC 190	3	CSC 200	3	CSC 312	3	CSC 400	3
EET 252	3	CSC 310	3	CSC 350	3	CSC Elective	3
MAT 124	4	MAT 214	3	BIO 131	4	Gen. Ed (17)	1
Gen. Ed. (01)	3	CHE 111/PHY 201	4-5	Gen. Ed. (07)	3	Gen. Ed (19)	2
Gen Ed. (09)	3	Gen. Ed. (05)	3	Elective	3	Restricted Elective	3
NMO 100	1	**TOTAL**	**16-17**	UWR		Elective	3
TOTAL	**17**	**Second Semester**		**TOTAL**	**16**	**TOTAL**	**15**
Second Semester		CSC 302	3	**Second Semester**		**Second Semester**	
CSC 191	3	CSC 306	3	CSC 320	3	CSC 440/460	3
CSC 195	3	STA 270	3	CSC 370	3	CSC Elective	3
MAT 224	4	CHE 112/PHY 202	5	BIO 141	4	Gen Ed (18)	1
Gen. Ed. (02)	3	Gen. Ed. (06)	3	Gen. Ed. (11)	3	Electives	8-9
Gen. Ed. (10)	3	**TOTAL**	**17**	SPE 301	2	**TOTAL**	**15-16**
TOTAL	**16**			**TOTAL**	**15**		

Suggested Curriculum Guide for Computer Technology (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
CSC 104	3	CSC 200	3	CSC 312	3	CSC Elective	3
CSC 190	3	CSC 310	3	CSC 349	3	EET 351	3
EET 251	3	EET 254	3	EET 302	3	Gen. Ed. (07)	3
EET 252	3	Gen. Ed. (02)	3	Gen. Ed. (05)	3	Restricted Elective	3
NMO 100	1	Gen. Ed. (13)	3	Gen. Ed (10)	3	Elective	3
Gen. Ed (01)	3	Gen. Ed. (18)	1	UWR		TOTAL	15
TOTAL	16	TOTAL	16	TOTAL	15	Second Semester	
Second Semester		Second Semester		Second Semester		CSC 401	3
CSC 191	3	CSC 302	3	CSC 370	3	Gen. Ed. (15)	3
CSC 195	3	CSC 306	3	CSC Elective	3	Gen. Ed. (08, 12, or 16)	3
EET 253	3	EET 354	3	EET 303	3	Electives	7
EET 257	3	Gen. Ed. (09)	3	Gen. Ed. (06)	3	TOTAL	16
MAT 211	3	Gen. Ed. (14)	3	Gen. Ed. (11)	3		
Gen. Ed. (17)	1	Gen. Ed. (19)	2	SPE 301	2		
TOTAL	16	TOTAL	17	TOTAL	17		

Suggested Curriculum Guide for Computer Science/Mathematics Teaching (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
MAT 124	4	MAT 214	3	MAT 308	3	Gen. Ed. (18)	1
Gen. Ed. (01)	3	CSC 310	3	EPY 319	4	SED 401	3
CSC 190	3	Gen. Ed (10)	3	Gen. Ed. (14)	3	CSC 305 or 306	3
CSC 104	3	Gen. Ed (05)	3	Gen. Ed (11)	3	ESE 498	3
Gen. Ed (17)	1	EDF 103	2	Gen. Ed. (07)	3	Gen. Ed. (08, 12, or 16)	3
NMO 100	1	STA 270	3	UWR		Restricted Elective	3
TOTAL	15	TOTAL	17	TOTAL	16	TOTAL	16
Second Semester		Second Semester		Second Semester		Second Semester	
MAT 224	4	MAT 301	3	MAT 334	3	ESE 450	3
CSC 191	3	CSC 302	3	EPY 413	2	ESE 499	12
Gen. Ed. (02)	3	Gen. Ed. (06)	3	Electives	4	TOTAL	15
Gen. Ed (09)	3	Gen. Ed (13)	3	MAT 380	3		
CSC 195	3	EDF 203	2	Gen. Ed (15)	3		
TOTAL	16	Gen Ed (19)	2	SPE 301	2		
		TOTAL	16	TOTAL	17		

Suggested Curriculum Guide for Economics/General Economics Option (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
CSO 100*	1	ECO 230	3	ECO 320	3	ECO Electives	6
Gen Ed (01)*	3	Gen Ed (15)	3	ECO 351	3	Free Electives	3
Gen Ed (17)	1	Gen Ed (05)	3	Gen Ed (04, 08, 12, or 16)	3	Restricted Elective	3
Gen. Ed (03)	3	Gen. Ed. (10 or 11)	3	Supporting Courses	6	Supporting Course	3
Gen Ed (09)	3	Free Elective	3	Gen Ed (07)	3	TOTAL	15
Gen Ed (13 or 14)	3	TOTAL	15	UWR		Second Semester	
Electives (CIS 101 or 102 or 103)	2	Second Semester		TOTAL	18	ECO Electives	6
TOTAL	16	ECO 220	3	Second Semester		Free Electives	9
Second Semester		ECO 231	3	ECO 350	3	TOTAL	15
Gen Ed (02)*	3	Gen. Ed. (06)	3	ECO 420	3		
Gen. Ed. (18)	1	Gen Ed (04, 08, 12, or 16)	3	Free Electives (Choose one or two)	4		
Gen Ed. (10 or 11)	3	Supporting Course	3	Supporting Courses	6		
Gen Ed (13 or 14)	3	Gen. Ed. (20)	2	TOTAL	16		
MAT 211	3	TOTAL	17				
Gen. Ed (19)	2						
Elective	1						
TOTAL	16						

*Courses must be taken in the semester indicated

Suggested Curriculum Guide for Economics/Applied Economics Option (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
CSO 100*	1	ECO 230	3	ECO 320	3	ECO 300	3
Gen. Ed. (01)*	3	Gen. Ed (04, 08, 12 or 16)	3	ECO 351	3	ECO Elective	3
Gen. Ed. (17)	1	Gen Ed (06)	3	Gen. Ed. (04, 08, 12, or 16)	3	Free Electives	3
MAT 107 or 211	3	Gen. Ed. (10 or 11)	3	Supporting Courses	6	Restricted Elective	3
Gen. Ed. (09)	3	Gen. Ed (13 or 14)	3	Free Electives	3	Supporting Course	3
Gen. Ed. (13 or 14)	3	TOTAL	15	UWR		TOTAL	15
Electives (CIS 101 or 102 or 103)	2	Second Semester		TOTAL	18	Second Semester	
TOTAL	16	ECO 220	3	Second Semester		ECO 420 or 490	3
Second Semester		ECO 231	3	ECO 350	3	ECO Electives	3
Gen. Ed. (02)*	3	Gen. Ed. (07)	3	ECO 315	3	Free Electives	9
Gen. Ed. (18)	1	Gen Ed (15)	3	Free Electives (Choose one or two)	4	TOTAL	15
Gen. Ed. (10 or 11)	3	Supporting Course	3	Supporting Courses	6		
Gen. Ed. (05)	3	Gen. Ed. (20)	2	TOTAL	16		
Gen. Ed. (03)	3	TOTAL	17				
Gen. Ed. (19)	2						
Elective	1						
TOTAL	16						

*Courses must be taken in the semester indicated.

Suggested Curriculum Guide for Economics/International Economics Option (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
CSO 100*	1	ECO 230	3	ECO 320	3	ECO 394	3
Gen. Ed (01)*	3	Gen. Ed (04, 08, 12 or 16)	3	ECO 351	3	ECO Elective	3
Gen. Ed (17)	1	Gen Ed (06)	3	Gen Ed (04, 08, 12, or 16)	3	Free Electives	3
MAT 107 or 211	3	Gen Ed (10 or 11)	3	Supporting Courses	6	Restricted Elective	3
Gen Ed (09)	3	Gen Ed (13 or 14)	3	Free Electives	3	Supporting Course	3
Gen. Ed. (13 or 14)	3	TOTAL	15	UWR		TOTAL	15
Electives (CIS 101 or 102 or 103)	2	Second Semester		TOTAL	18	Second Semester	
TOTAL	16	ECO 220	3	Second Semester		ECO 420 or 490	3
Second Semester		ECO 231	3	ECO 350	3	ECO Electives	3
Gen. Ed (02)*	3	Gen. Ed (07)	3	ECO 395	3	Free Electives	9
Gen. Ed. (18)	1	Gen. Ed (15)	3	Free Electives (Choose one or two)	4	TOTAL	15
Gen. Ed. (10 or 11)	3	Supporting Course	3	Supporting Courses	6		
Gen. Ed. (05)	3	Gen. Ed (20)	2	TOTAL	16		
Gen. Ed (03)	3	TOTAL	17				
Gen. Ed. (19)	2						
Elective	1						
TOTAL	16						

*Courses must be taken in the semester indicated

Suggested Curriculum Guide for Economics/Public Policy Option (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
CSO 100*	1	ECO 230	3	ECO 320	3	ECO Elective (324, 333, 394, 570, 580, or 590)	6
Gen. Ed. (01)*	3	Gen. Ed (04, 08, 12 or 16)	3	ECO 351	3	Free Electives	3
Gen. Ed. (17)	1	Gen. Ed (06)	3	Gen. Ed (04, 08, 12, or 16)	3	Restricted Elective	3
MAT 107 or 211	3	Gen. Ed. (10 or 11)	3	Free Electives	6	Supporting Course	3
Gen. Ed. (09)	3	Gen. Ed. (13 or 14)	3	POL 370, 371, or 377	3	TOTAL	15
Gen. Ed. (13 or 14)	3	TOTAL	15	UWR		Second Semester	
Electives (CIS 101 or 102 or 103)	2	Second Semester		TOTAL	18	ECO 315 or 365,	3
TOTAL	16	ECO 220	3	Second Semester		ECO 420 or 490	3
Second Semester		ECO 231	3	ECO 350	3	Free Electives	6
Gen. Ed. (02)*	3	Gen. Ed. (07)	3	ECO 315 or 365	3	Supporting Course	3
Gen. Ed. (18)	1	Gen. Ed (15)	3	Free Electives (Choose one or two)	4	TOTAL	15
Gen. Ed. (10 or 11)	3	POL 101	3	POL 321	3		
Gen. Ed (05)	3	Gen. Ed (20)	2	POL 374	3		
Gen. Ed. (03)	3	TOTAL	17	TOTAL	16		
Gen. Ed. (19)	2						
Elective	1						
TOTAL	16						

*Courses must be taken in the semester indicated

Suggested Curriculum Guide for English/Literature Emphasis (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
Gen. Ed. (01)	3	ENG 211	3	ENG 350	3	ENG 474	3
FRE 101	3	FRE 201	3	ENG 352	3	ENG 400/500 level	3
Gen. Ed. (09)	3	Gen. Ed (11)	3	ENG 410	3	Upper Division ENG	3
Gen. Ed. (13)	3	Gen. Ed (15)	3	Gen. Ed. (08)	3	Free Elective	3
Gen. Ed. (19)	2	ENG 301	3	Gen. Ed. (20)	2	Free Elective	3
AHO 100	1	Gen. Ed (18)	1	Supporting Course	3	**TOTAL**	**15**
TOTAL	**15**	**TOTAL**	**16**	UWR		**Second Semester**	
Second Semester		**Second Semester**		**TOTAL**	**17**	Upper Division ENG	3
Gen. Ed (02)	3	ENG 212	3	**Second Semester**		Free Elective	3
FRE 102	3	FRE 204	3	ENG 351	3	Free Elective	3
Gen. Ed. (10)	3	MAT 105	3	ENG 353	3	Free Elective	3
Gen. Ed. (14)	3	Gen. Ed (07)	3	ENG 452 or 454	3	Free Elective	1
Gen. Ed (17)	1	ENG 302	3	ENG 470 or 472	3	**TOTAL**	**13**
Restricted Elective	3	Free Elective	3	Supporting Course	3		
TOTAL	**16**	**TOTAL**	**18**	Free Elective	3		
				TOTAL	**18**		

Suggested Curriculum Guides for English/Writing Emphasis (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
Gen. Ed. (01)	3	ENG 211	3	ENG 350	3	ENG 410	3
FRE 101	3	FRE 201	3	ENG 306	3	ENG 525	3
Gen. Ed. (09)	3	Gen. Ed (11)	3	Gen. Ed (08)	3	ENG 353	3
Gen. Ed (13)	3	Gen. Ed (15)	3	ENG 352	3	Free Elective	3
Gen. Ed. (19)	2	ENG 301	3	Gen. Ed (20)	2	Free Elective	3
AHO 100	1	Gen. Ed (18)	1	Supporting Course	3	**TOTAL**	**15**
TOTAL	**15**	**TOTAL**	**16**	UWR		**Second Semester**	
Second Semester		**Second Semester**		**TOTAL**	**17**	ENG 474	3
Gen. Ed. (02)	3	ENG 212	3	**Second Semester**		ENG 349, 500, or 502	3
FRE 102	3	FRE 204	3	ENG 351	3	Free Elective	3
Gen. Ed (10)	3	Restricted Elective	3	ENG 300	3	Free Elective	3
Gen. Ed (14)	3	Gen. Ed (07)	3	ENG 420	3	Free Elective	1
Gen Ed. (17)	1	ENG 302	3	Free Elective	3	**TOTAL**	**13**
MAT 105	3	Free Elective	3	Free Elective	3		
TOTAL	**16**	**TOTAL**	**18**	Supporting Course	3		
				TOTAL	**18**		

Suggested Curriculum Guide for English/Teaching (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
Gen Ed (01)	3	ENG 211	3	ENG 350	3	SED 401	3
FRE 101	3	FRE 201	3	ENG 405	3	ESE 498	3
Gen. Ed. (09)	3	Gen. Ed. (11)	3	ENG 474	3	ENG 476 or 478	3
Gen Ed. (13)	3	Gen. Ed (15)	3	ENG 410	3	Gen. Ed. (08)	3
Gen. Ed. (17)	1	EPY 413	2	ESE 574	3	Upper division literature	3
AHO 100	1	ENG 301	3	UWR		**TOTAL**	**15**
EDF 103	2	**TOTAL**	**17**	**TOTAL**	**15**	**Second Semester**	
TOTAL	**16**	**Second Semester**		**Second Semester**		ESE 443	3
Second Semester		ENG 212	3	ENG 352	3	ESE 499	12
Gen Ed (02)	3	FRE 204	3	ENG 510	3	**TOTAL**	**15**
FRE 102	3	Gen. Ed (20)	2	ENG 452 or 454	3		
SPE 210	3	Gen Ed (07)	3	Gen Ed. (10)	3		
MAT 105 or higher	3	EPY 319	4	Gen. Ed. (19)	2		
Gen Ed (18)	1	ENG 302	3	Gen. Ed. (14)	3		
EDF 203	2	**TOTAL**	**18**	**TOTAL**	**17**		
TOTAL	**15**						

Suggested Curriculum Guide for Environmental Studies (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
NMO 100	1	BIO 211	4	BIO 316	4	ENG 300	3
BIO 131 or BIO 141	4	Elective	3	GLY 415	3	Option	12
MAT 109 or 124	4-5	Gen. Ed (19)	2	CSC 104	3	TOTAL	15
Gen. Ed. (01)	3	CHE 111	4	Gen. Ed (05)	3	**Second Semester**	
GLY 108	3	Gen. Ed (10)	3	Restricted Elective	3	Option	13-14
Gen. Ed. (17)	1	TOTAL	16	UWR		SPE 301	2
TOTAL	16-17	**Second Semester**		TOTAL	16	TOTAL	15-16
Second Semester		BIO 320	4	**Second Semester**			
GLY 109	3	STA 215 or 270	3	EHS 280	3		
Gen. Ed. (09)	3	CHE 112	5	POL 374	3		
Gen. Ed. (02)	3	Gen. Ed (11)	3	Gen. Ed (06)	3		
Gen. Ed. (18)	1	TOTAL	15	Option	9		
PHI 130	3			TOTAL	18		
Elective	3						
TOTAL	16						

Suggested Curriculum Guide for Forensic Science (B.S.)
Forensic Chemistry Option

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
NMO 100	1	CHE 361	4	FOR 411	3	FOR 465	2
Gen. Ed (01)	3	CHE 366	1	FOR 451	3	FOR Elective	3
MAT 124 or 261	3-4	PHY 131	5	STA 270	3	CHE 470	4
CHE 111	4	Gen. Ed (10)	3	Electives	6	CHE Elective (Upper Division)	3
Gen. Ed. (09)	3	SPE 301	2	Gen Ed (05)	3	Gen Ed (07)	3
Restricted Elective	3	Elective	3	UWR		Elective	3
TOTAL	17-18	TOTAL	18	TOTAL	18	TOTAL	18
Second Semester		**Second Semester**		**Second Semester**		**Second Semester**	
Gen. Ed. (02)	3	CHE 325	4	FOR 412	4	FOR 495	6
Gen. Ed. (18)	1	CHE 362	4	FOR Elective*	3	TOTAL	6
CHE 112	5	CHE 367	1	LAS 210	3		
Gen. Ed. (17)	1	PHY 132	5	Gen. Ed. (04, 08, or 12)	3		
Gen. Ed. (13)	3	Gen. Ed (11)	3	Gen. Ed (06)	3		
Gen. Ed. (19)	2	TOTAL	17	TOTAL	16		
Elective	2-3						
TOTAL	17-18						

Suggested Curriculum Guide for Forensic Science (B.S.)
Forensic Biology Option

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
NMO 100	1	CHE 361	4	FOR 411	3	BIO 331 or 531	3-4
Gen. Ed (01)	3	CHE 366	1	CHE 470	4	CHE 530	4
Gen. Ed. (17)	1	BIO 211	4	PHY 131	5	FOR 465	2
CHE 111	4	Gen Ed (10)	3	Elective	3	Gen. Ed (07)	3
STA 270	3	SPE 301	2	Gen. Ed. (05)	3	Electives	5
Restricted Elective	3	Elective	3	UWR		TOTAL	17-18
Gen. Ed. (09)	3	TOTAL	17	TOTAL	18	**Second Semester**	
TOTAL	18	**Second Semester**		**Second Semester**		FOR 495	6
Second Semester		CHE 362	4	FOR 412	4	TOTAL	6
Gen. Ed (02)	3	CHE 367	1	PHY 132	5		
Gen. Ed. (18)	1	BIO 315	4	LAS 210	3		
CHE 112	5	CHE 325	4	Gen. Ed (04, 08, or 12)	3		
MAT 124 or 261	3-4	Gen Ed (11)	3	Gen. Ed. (06)	3		
Gen. Ed. (19)	2	TOTAL	16	TOTAL	18		
Elective	3						
TOTAL	17-18						

Suggested Curriculum Guide for French (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
AHO 100	1	Gen. Ed. (13 or 14)	3	Gen. Ed. (05 or 06)	3	Elective or Minor	12
Gen. Ed. (01)	3	Gen. Ed. (10 or 11)	3	Elective or Minor	4	FRE 350 or 320	3
Gen. Ed. (17)	1	Restricted Elective	3	Gen. Ed. (04, 08, 12, or 16)	3	**TOTAL**	**15**
MAT 105 or higher	3	FRE 204 or 210	3	FRE 300-level lit	3	**Second Semester**	
FRE 201 or 202	3	FCC 220	3	FRE 340 or 360	3	Elective or Minor	12
Gen. Ed. (09)	3	Gen. Ed. (20)	2-3	UWR		FRE 320 or 350	3
Gen. Ed. (03)	3	**TOTAL**	**17-18**	**TOTAL**	**16**	**TOTAL**	**15**
TOTAL	**17**	**Second Semester**		**Second Semester**			
Second Semester		Gen. Ed. (05 or 06)	3	Elective or Minor	9		
Gen. Ed. (02)	3	Gen. Ed. (15)	3	FRE 360 or 340	3		
Gen. Ed. (19)	2	Gen. Ed. (04, 08, 12, or 16)	3	FRE 300-level	3		
Gen. Ed. (18)	1	Elective or Minor	6	**TOTAL**	**15**		
Gen. Ed. (10 or 11)	3	FRE 303 or other lit	3				
Gen. Ed. (13 or 14)	3	**TOTAL**	**18**				
FRE 202 or 204	3						
TOTAL	**15**						

Suggested Curriculum Guide for French/Teaching (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
AHO 100	1	Gen. Ed. (13 or 14)	3	Gen. Ed. (05 or 06)	3	EME 442	3
Gen. Ed. (01)	3	Gen. Ed. (10 or 11)	3	Gen. Ed. (04, 08, 12, or 16)	3	EPY 413	2
Gen. Ed. (17)	1	EDF 203	2	FRE 300-level lit	3	SED 401	3
MAT 105 or higher	3	FRE 204 or 210	3	FRE 340 or 360	3	FRE 300-level	3
FRE 201 or 202	3	FCC 220	3	Elective or Minor	3	FRE 350 or 320	3
Gen. Ed. (09)	3	Gen. Ed. (20)	2-3	UWR		ESE 498	3
Gen. Ed. (03)	3	**TOTAL**	**16-17**	**TOTAL**	**15**	**TOTAL**	**17**
TOTAL	**17**	**Second Semester**		**Second Semester**		**Second Semester**	
Second Semester		Gen. Ed. (05 or 06)	3	Elective or Minor	6	ESE 443	3
Gen. Ed. (02)	3	Gen. Ed. (15)	3	Restricted Elective	3	EMS 499	12
Gen. Ed. (18)	1	Gen. Ed. (04, 08, 12, or 16)	3	FRE 300-level	3	**TOTAL**	**15**
Gen. Ed. (19)	2	FRE 303 or other lit	3	FRE 340 or 360	3		
Gen. Ed. (10 or 11)	3	EPY 319	4	**TOTAL**	**15**		
Gen. Ed. (13 or 14)	3	**TOTAL**	**16**				
EDF 103	2						
FRE 202 or 204	3						
TOTAL	**17**						

Suggested Curriculum Guide for Geography/Option I - Human/Land Relations (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CSO 100	1	Gen. Ed. (05)	3	Gen. Ed. (12)	3	GEO 450	3
Gen. Ed. (01)	3	Gen. Ed. (10)	3	GEO 302 or 321	3	Restricted Elective	3
Gen. Ed. (07)	3	Gen. Ed. (18)	1	GEO 351	3	Electives	10
CIS 212	3	PLA 220 or TNT 210	3	GEO 355	3	**TOTAL**	**16**
GEO 210	3	STA 215	3	GEO (upper division)	3	**Second Semester**	
ECO 120 or 230	3	Electives	3	UWR		GEO 490	3
TOTAL	**16**	**TOTAL**	**16**	**TOTAL**	**15**	Electives	13
Second Semester		**Second Semester**		**Second Semester**		**TOTAL**	**16**
Gen. Ed. (02)	3	Gen. Ed. (06)	3	Gen. Ed. (15)	3		
Gen. Ed. (17)	1	Gen. Ed. (11)	3	Gen. Ed. (20)	2		
Gen. Ed. (21)	3	Gen. Ed. (13)	3	GEO 322 or 330	3		
GEO 220	3	Gen. Ed. (19)	2	GEO 353	3		
GLY 108	3	GEO 345 or 347	3	GEO (upper division)	3		
Electives	3	Electives	3	Electives	2		
TOTAL	**16**	**TOTAL**	**17**	**TOTAL**	**16**		

Suggested Curriculum Guide for Geography/Option II - Planning (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CSO 100	1	Gen. Ed. (05)	3	Gen Ed (12)	3	GEO 450	3
Gen. Ed. (01)	3	Gen. Ed. (10)	3	GEO 351	3	PLA (upper division)	3
Gen. Ed. (07)	3	Gen. Ed (18)	1	GEO 355	3	Restricted Electives	3
CIS 212	3	STA 215	3	PLA 320	3	Electives	7
GEO 210	3	TNT 210	3	Electives	3	**TOTAL**	**16**
PLA 220	3	Electives	3	UWR		**Second Semester**	
TOTAL	**16**	**TOTAL**	**16**	**TOTAL**	**15**	GEO 490	3
Second Semester		**Second Semester**		**Second Semester**		Electives	12
Gen. Ed. (02)	3	Gen. Ed. (06)	3	Gen. Ed. (15)	3	**TOTAL**	**15**
Gen. Ed (17)	1	Gen. Ed. (11)	3	Gen. Ed. (20)	2		
Gen. Ed (21)	3	Gen. Ed (13)	3	GEO 322 or 330	3		
GEO 220	3	Gen. Ed (19)	2	GEO 345 or 347	3		
GLY 108	3	ECO 120 or 230	3	PLA 420	3		
Electives	3	Electives	3	Electives	3		
TOTAL	**16**	**TOTAL**	**17**	**TOTAL**	**17**		

Suggested Curriculum Guide for Geography/Option III - Travel and Tourism (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CSO 100	1	Gen. Ed (05)	3	Gen. Ed (12)	3	GEO 450	3
Gen. Ed. (01)	3	Gen. Ed (10)	3	GEO 322 or 330	3	Restricted Electives	3
Gen. Ed. (07)	3	Gen. Ed (18)	1	GEO 351	3	Electives	10
CIS 212	3	PLA 220	3	GEO 355	3	**TOTAL**	**16**
GEO 210	3	STA 215	3	TNT 315	3	**Second Semester**	
TNT 210	3	Electives	3	UWR		GEO 490	3
TOTAL	**16**	**TOTAL**	**16**	**TOTAL**	**15**	Electives	12
Second Semester		**Second Semester**		**Second Semester**		**TOTAL**	**15**
Gen. Ed (02)	3	Gen. Ed. (06)	3	Gen. Ed (15)	3		
Gen. Ed (17)	1	Gen. Ed (11)	3	Gen Ed (20)	2		
Gen. Ed (21)	3	Gen Ed (13)	3	GEO 345 or 347	3		
GEO 220	3	Gen Ed (19)	2	TNT 415	3		
GLY 108	3	ECO 120 or 230	3	Electives	6		
Electives	3	TNT 310	3	**TOTAL**	**17**		
TOTAL	**16**	**TOTAL**	**17**				

Suggested Curriculum Guide for Geography/Teaching (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CSO 100	1	Gen. Ed (05)	3	Gen. Ed. (07)	3	Gen. Ed (15)	3
Gen Ed (01)	3	Gen Ed (10)	3	EPY 413	2	ESE 498	3
Gen Ed (03)	3	Gen Ed (19)	2	GEO 321 or 322	3	GEO 450	3
Gen Ed (04, 08, or 16)	3	EDF 203	2	GEO 330	3	SED 401	3
GEO 210	3	GLY 108	3	GEO 347	3	Minor Requirement	3
Minor Requirement	3	Minor Requirement	3	UWR		Restricted Electives	3
TOTAL	**16**	**TOTAL**	**16**	**TOTAL**	**14**	**TOTAL**	**18**
Second Semester		**Second Semester**		**Second Semester**		**Second Semester**	
Gen Ed (02)	3	Gen. Ed (06)	3	Gen. Ed (20)	2	ESE 449	3
Gen. Ed (09)	3	Gen. Ed. (11)	3	GEO 345	3	ESE 499 Student Teaching	12
Gen. Ed (17)	1	Gen. Ed. (13)	3	GEO Upper Division Course	3	**TOTAL**	**15**
Gen Ed. (21)	3	Gen Ed. (18)	1	Minor Requirements	9		
EDF 103	2	EPY 319	4	**TOTAL**	**17**		
GEO 220	3	GEO 302	3				
Minor Requirement	3	**TOTAL**	**17**				
TOTAL	**18**						

Suggested Curriculum Guide for Geology (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
NMO 100	1	GLY 309	3	GLY 409	3	GLY Elective	3
Gen. Ed. (01)	3	BIO 100 or NAT 101	3	GLY 410	3	Electives	12-15
MAT 124 or 261	3-4	Gen. Ed (05)	3	GLY 415	3	**TOTAL**	**15-18**
GLY 108	3	SPE 301	2	Foreign Language	3	**Second Semester**	
Gen. Ed (17)	1	Electives	6	Gen. Ed (07)	3	GLY Elective	3
Gen. Ed. (09)	3	**TOTAL**	**17**	UWR		Electives	12
TOTAL	**14-15**	**Second Semester**		**TOTAL**	**15**	**TOTAL**	**15**
Second Semester		GLY 311	3	**Second Semester**			
Gen. Ed (02)	3	NAT 171 or		GLY 420	3		
Gen. Ed (19)	2	PHY 101 or 131	3-5	Foreign Language	3		
GLY 109	3	Gen. Ed (06)	3	Electives	12		
CHE 101 or 111	4	Gen. Ed. (11)	3	**TOTAL**	**18**		
Gen Ed. (18)	1	Restricted Elective	3				
Gen. Ed. (10)	3	**TOTAL**	**15-17**				
TOTAL	**16**						

Suggested Curriculum Guide for Geology (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
NMO 100	1	**First Semester**		**First Semester**		**First Semester**	
GLY 108	3	GLY 309	3	GLY 409	3	GLY Electives	6
Gen. Ed (01)	3	BIO 100 or NAT 101	3	GLY 410	3	Electives	9
CHE 111	4	PHY 131	5	GLY 415	3	**TOTAL**	**15**
MAT 124	4	Gen. Ed (09)	3	GEO 353 or 556	3	**Second Semester**	
Gen Ed (17)	1	Gen. Ed (19)	2	Gen. Ed (06)	3	GLY 550	3
TOTAL	**16**	**TOTAL**	**16**	Gen. Ed (11)	3	GLY Elective	3
Second Semester		**Second Semester**		UWR		Electives	10
GLY 109	3	GLY 311	3	**TOTAL**	**18**	**TOTAL**	**16**
Gen Ed (02)	3	PHY 132	5	**Second Semester**			
CHE 112	5	Gen. Ed (05)	3	GLY 420	3		
MAT 224	4	Gen. Ed (10)	3	Gen. Ed (04)	3		
Gen Ed (18)	1	SPE 301	2	Gen Ed (07)	3		
TOTAL	**16**	**TOTAL**	**16**	Elective	3		
				Restricted Elective	3		
				TOTAL	**15**		

Suggested Curriculum Guide for German (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
AHO 100	1	Elective or Minor	3	Gen Ed (05 or 06)	3	Elective or Minor	12
Gen Ed (01)	3	Gen. Ed (13 or 14)	3	Elective or Minor	4	GER 460	3
Gen. Ed (17)	1	Gen. Ed (10 or 11)	3	Gen. Ed (04, 08, 12, or 16)	3	**TOTAL**	**15**
Gen. Ed (19)	2	Gen. Ed (20)	2-3	GER 340	3	**Second Semester**	
MAT 105 or higher	3	GER 202	3	GER 301, 302, or 360	3	Elective or Minor	12
GER 101, 102 or		FCC 222	3	UWR		GER 310	3
Gen Ed (03)	3	**TOTAL**	**17-18**	**TOTAL**	**16**	**TOTAL**	**15**
Gen Ed (09)	3	**Second Semester**		**Second Semester**			
TOTAL	**16**	Gen. Ed (05 or 06)	3	Elective or Minor	9		
Second Semester		Gen. Ed (15)	3	GER 440	3		
Gen Ed (02)	3	Gen. Ed (04, 08, 12, or 16)	3	GER 301, 302, or 360	3		
Gen Ed (18)	1	Elective or Minor	3	**TOTAL**	**15**		
Gen Ed (10 or 11)	3	GER 240	3				
Gen Ed (13 or 14)	3	GER 301, 302, or 360	3				
Restricted Elective	3	**TOTAL**	**18**				
GER 201	3						
TOTAL	**16**						

Suggested Curriculum Guide for German/Teaching (B.A.)

Freshman Year

First Semester

AHO 100	1
Gen. Ed (01)	3
Gen. Ed. (17)	1
MAT 105 or higher	3
Gen. Ed. (19)	2
GER 101, 102 or Gen. Ed. (03)	3
Gen. Ed (09)	3
TOTAL	**16**

Second Semester

Gen. Ed. (02)	3
Gen. Ed. (18)	1
Gen. Ed. (10 or 11)	3
Gen. Ed (13 or 14)	3
EDF 103	2
GER 201	3
FCC 222	3
TOTAL	**18**

Sophomore Year

First Semester

Gen. Ed. (13 or 14)	3
Gen. Ed. (10 or 11)	3
Gen. Ed. (05 or 06)	3
EDF 203	2
GER 202	3
Gen. Ed. (20)	2
TOTAL	**16**

Second Semester

Gen. Ed. (05 or 06)	3
Gen. Ed. (15)	3
EPY 319	4
GER 240	3
GER 301, 302, or 360	3
TOTAL	**16**

Junior Year

First Semester

Gen. Ed. (04*, 08*, 12, 16)	6
GER 340	3
GER 301, 302, or 360	3
Elective	3
UWR	
TOTAL	**15**

Second Semester

Elective	6
Restricted Elective*	3
GER 440	3
GER 301, 302, or 360	3
TOTAL	**15**

Senior Year

First Semester

EME 442	3
EPY 413	2
SED 401	3
ESE 498	3
GER 310	3
GER 460	3
TOTAL	**17**

Second Semester

ESE 443	3
EMS 449	12
TOTAL	**15**

A student with a German Teaching Major is urged to add a second teaching major.

Suggested Curriculum Guide for History (B.A.)

Freshman Year

First Semester

CSO 100	1
Gen. Ed (01)	3
HIS 202	3
Gen. Ed. (07, 09)	6
Gen. Ed (17)	1
Gen. Ed (21)	3
TOTAL	**17**

Second Semester

Gen. Ed (03, 13)	6
Gen. Ed (02)	3
HIS 200	1
HIS 203	3
Gen. Ed (10) (HIS 231 or HIS 246)	3
Gen. Ed (18)	1
TOTAL	**17**

Sophomore Year

First Semester

Gen. Ed (05)	3
Elective	3
Gen. Ed. (04 and 14)	6
Gen. Ed (19)	2
Gen. Ed. (11) (HIS 232 or HIS 247)	3
TOTAL	**17**

Second Semester

Elective	3
Gen Ed (06)	3
Restricted Elective	3
Gen Ed (12 and 15)	6
TOTAL	**15**

Junior Year

First Semester

Gen Ed (20)	2
HIS Upper Division Electives	9
Upper Division Elective	3
Elective	3
UWR	
TOTAL	**17**

Second Semester

HIS Upper Division Electives	6
HIS 449	3
Upper Division Elective	3
Elective	3
TOTAL	**15**

Senior Year

First Semester

Upper Division Electives	6
HIS Upper Division Electives	6
Elective	3
TOTAL	**15**

Second Semester

HIS 450	3
Upper Division Electives	6
Electives	6
TOTAL	**15**

Suggested Curriculum Guide for History/Teaching (B.A.)

Freshman Year

First Semester

CSO 100	1
Gen. Ed (01)	3
HIS 202	3
SOC 131	3
ANT 120	3
Gen. Ed. (21)	3
EDF 103	2
TOTAL	**18**

Second Semester

Gen. Ed (13)	3
Gen. Ed. (02)	3
HIS 200	1
HIS 203	3
Gen. Ed. (10) (HIS 231 or HIS 246)	3
Gen. Ed (19)	2
EDF 203	2
Gen. Ed. (17)	1
TOTAL	**18**

Sophomore Year

First Semester

Gen. Ed. (05)	3
EPY 319	4
Gen. Ed. (04 and 14)	6
Gen Ed (03) (CSC 104)	3
Gen Ed. (11) (HIS 232 or HIS 247)	3
TOTAL	**19**

Second Semester

EPY 413	2
Gen. Ed (06)	3
Gen. Ed (07 and 15)	6
Gen. Ed (18)	1
POL 101	3
GEO Supporting Course	3
TOTAL	**18**

Junior Year

First Semester

ECO 230	3
Gen. Ed (20)	2
HIS Upper Division Electives	9
SED 401	3
UWR	
TOTAL	**17**

Second Semester

HIS Upper Division Electives	9
HIS 449	3
ECO 231	3
PSY 201 or 202	3
TOTAL	**18**

Senior Year

First Semester

HIS 450	3
HIS Upper Division Elective	3
ESE 498	3
GEO Supporting Course	3
POL 211 or 220	3
Restricted Elective	3
TOTAL	**18**

Second Semester

ESE 449	3
ESE 499	12
TOTAL	**15**

Suggested Curriculum Guide for Mathematics (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
MAT 124	4	MAT 214	3	MAT 308	3	MAT 415 or MAT Elective	3
Gen. Ed (01)	3	MAT 225	4	MAT 353	3	CSC, MAT, or STA Elective	3
Gen. Ed (19)	2	Gen. Ed (05)	3	Gen. Ed. (14)	3	Gen Ed (07)	3
Gen. Ed (09)	3	Gen. Ed (17)	1	Gen. Ed (08, 12, or 16)	3	Electives	8
CSC 180 or 190	3	Gen. Ed (11)	3	SPE 301	2	**TOTAL**	**17**
NMO 100	1	Elective	3	Elective	2	**Second Semester**	
TOTAL	**16**	**TOTAL**	**17**	UWR		CSC, MAT, or STA Elective	3
Second Semester		**Second Semester**		**TOTAL**	**16**	Electives	12
MAT 224	4	MAT 301	3	**Second Semester**		**TOTAL**	**15**
Gen. Ed (02)	3	Gen. Ed (06)	3	MAT 315	3		
Restricted Elective	3	Electives	6	MAT408 or MAT Elective	3		
Gen. Ed (10)	3	Gen. Ed (13)	3	Gen. Ed (15)	3		
STA 270	3	**TOTAL**	**15**	Gen. Ed. (18)	1		
TOTAL	**16**			Electives	6		
				TOTAL	**16**		

Suggested Curriculum Guide for Mathematics/Teaching (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
MAT 124	4	MAT 225	4	MAT 308	3	SPE 301	2
Gen. Ed (01)	3	MAT 214	3	Restricted Elective	3	CSC, MAT, or STA Elective	3
CSC 104	3	Gen. Ed (10)	3	EPY 319	4	MAT 334	3
Gen. Ed (09)	3	Gen Ed (07)	3	Gen. Ed (14)	3	ESE 498	3
Gen. Ed (17)	1	EDF 103	2	Gen. Ed (11)	3	Gen. Ed (08, 12, or 16)	3
NMO 100	1	**TOTAL**	**15**	UWR		SED 401	3
TOTAL	**15**	**Second Semester**		**TOTAL**	**16**	**TOTAL**	**17**
Second Semester		Gen Ed (13)	3	**Second Semester**		**Second Semester**	
MAT 224	4	MAT 301	3	MAT 315	3	ESE 450	3
STA 270	3	Gen. Ed. (05)	3	MAT 380	3	ESE 499	12
Gen Ed (02)	3	MAT 285	3	EPY 413	2	**TOTAL**	**15**
CSC Programming Language	3	EDF 203	2	Gen. Ed. (06)	3		
Gen Ed (19)	2	Elective	3	Gen Ed (15)	3		
Gen Ed (18)	1	**TOTAL**	**17**	Elective	3		
TOTAL	**16**			**TOTAL**	**17**		

Suggested Curriculum Guide for Microbiology (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
NMO 100	1	BIO 315	4	BIO 320	4	BIO 514	3
BIO 131 or BIO 141	4	CHE 361	4	CHE 330 or CHE 530	4	BIO 527	3
CHE 111	4	CHE 366	1	Restricted Elective	3	CLS 350	5
MAT 124	4	Gen. Ed (19)	2	Gen Ed (07)	3	PHY 131	5
Gen. Ed (01)	3	Gen. Ed (10)	3	Gen Ed (11)	3	**TOTAL**	**16**
TOTAL	**16**	Gen. Ed (05)	3	UWR		**Second Semester**	
Second Semester		**TOTAL**	**17**	**TOTAL**	**17**	BIO 490	1
BIO 211	4	**Second Semester**		**Second Semester**		PHY 132	5
CHE 112	5	BIO 316	4	BIO 328 or BIO 348	4	Elective	3-4
Gen Ed (02)	3	CHE 362 and CHE 367 or CHE 325	4-5	BIO 530	3	SPE 301	2
Gen. Ed (09)	3	Gen. Ed (06)	3	BIO 528	3	Gen. Ed (04, 08, or 12)	3
Gen. Ed (17)	1	Gen. Ed (03)	3	Electives	6	**TOTAL**	**14-15**
TOTAL	**16**	Gen. Ed (18)	1	**TOTAL**	**16**		
		TOTAL	**15-16**				

Suggested Curriculum Guide for Music/General Music Option (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
AHO 100	1	Gen. Ed (09)	3	Gen. Ed (10)	3	Gen. Ed. (15)	3
Gen. Ed. (01)*	3	MUS 281	4	MUS 371	3	Gen. Ed. (07)	3
MUS 181	4	MUS 210	1	Applied (300 level)	2	MUS 480	3
MUS 110 or 114**	1	Applied (200 level)	1	Ensemble	1	MUS 584	3
Applied (100 level)	1	Ensemble	1	Gen. Ed (05)	3	Applied (400 level)	2
Ensemble***	1	Lower Div A&H Elective	3	Upper Div A&H Elective	3	Ensemble***	1
Gen. Ed. (17)	1	Gen. Ed (03)	3	Gen. Ed (20)	3	TOTAL	17
Foreign Language	3	TOTAL	16	UWR		Second Semester	
TOTAL	15	Second Semester		TOTAL	18	Gen. Ed (04, 08, 12, or 16)	2
Second Semester		Gen. Ed. (13 or 14)	3	Second Semester		Upper Div A&H Elective	3
Gen. Ed (19)	2	MUS 282	4	Gen. Ed (11)	3	MUS 481	3
Gen. Ed. (02)*	3	MUS 211	1	MUS 372	3	Optional Recital**** or	0-1
MUS 182	4	Applied (200 level)	1	Applied (300 level)	2	Upper Div Mus Elect ****	1-2
MUS 111 or 115**	1	Ensemble	1	Ensemble	1	Applied (400 level)	2
Applied (100 level)	1	MUS 272	3	Gen. Ed (06)	3	Ensemble	1
Ensemble	1	MAT 105	3	Gen. Ed (13 or 14)	3	TOTAL	17
Gen. Ed. (18)	1	TOTAL	16	Restricted Elective	2		
Foreign Language	3			TOTAL	17		
TOTAL	16						

*ENG 105 for students scoring above 23 on English portion of ACT, earns six credits for grade of "B" or higher. Substitute another General Ed for 2nd semester English.
**MUS 110 or 114 requires placement test. Students who qualify for MUS 114 do not have to take class piano in the 2nd year.
***Students on music scholarships will need to plan for more than one ensemble each semester
****The recital option [MUS 499] would count as one credit towards the upper division music electives

Suggested Curriculum Guide for Music/Music Merchandising Option (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
AHO 100	1	Gen. Ed (03)	3	Gen. Ed (10)	3	Gen. Ed (15)	3
Gen. Ed (01)*	3	MUS 230	1	MUS 390	3	Gen. Ed (07)	3
MUS 181	4	Applied (200 level)	1	Applied (300 level)	1	Business Elective****	3
MUS 110 or 114**	1	Ensemble	1	Ensemble	1	Business Elective	3
Applied (100 level)	1	MUS 354	1	Gen. Ed (05)	3	MUS 584	2
Ensemble***	1	Gen. Ed (20)	3	MKT 300	3	Applied (400 level)	1
Gen. Ed. (17)	1	ACC 201	3	MUS 251	1	Ensemble	1
Gen. Ed. (09)	3	LAS 210	3	MUS 351	1	TOTAL	16
Restricted Elective	2	TOTAL	16	UWR		Second Semester	
TOTAL	17	Second Semester		TOTAL	16	Gen. Ed (04, 08, 12, or 16)	3
Second Semester		Gen. Ed (13 or 14)	3	Second Semester		Gen. Ed. (04, 08, 12, or 16)	3
Gen. Ed. (19)	2	MUS 273	3	Gen. Ed. (11)	3	Business Elective*	3
Gen. Ed (02)*	3	Applied (200 level)	1	MUS 391	3	Business Elective*	3
MUS 182	4	Ensemble (200 level)	1	Applied (300 level)	1	PUB 375	3
MUS 111 or 115**	1	MUS 272	3	Ensemble	1	Applied (400 level)	1
Applied (100 level)	1	CIS 212	3	Gen. Ed (06)	3	Ensemble	1
Ensemble	1	ECO 230	3	Gen. Ed (13 or 14)	3	TOTAL	17
Gen. Ed (18)	1	TOTAL	17	MGT 300	3		
MAT 105	3			TOTAL	17		
TOTAL	16						

*ENG 105 for students scoring above 23 on English portion of ACT, earns six credits for grade of "B" or higher. Substitute another General Ed for 2nd semester English.
**MUS 110 or 114 requires placement test. Students who qualify for MUS 114 do not have to take class piano in the 2nd year.
***Students on music scholarships will need to plan for more than one ensemble each semester.
****The student should select Business electives from the following courses: ACC 202, ECO 231, MGT 330, MKT 304 or 310 or 320, CIS 230, and ACS 300.

Suggested Curriculum Guide for Music/Theory/Composition Option (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
AHO 100	1	Gen. Ed (09)	3	Gen. Ed. (10)	3	Gen. Ed. (15)	3
Gen. Ed. (01)*	3	MUS 281	4	MUS 371	3	Gen. Ed. (07)	3
MUS 181	4	MUS 210	1	Applied (300 level)	1	MUS 483	2
MUS 110 or 114**	1	Applied (200 level)	1	MUS 483	2	MUS 584	2
Applied (100 level)	1	Gen. Ed. (03)	3	MUS 383	3	MUS 556	3
Foreign Language	3	MUS 283	1	Upper Div A&H Elective	3	Applied (400 level)	1
Gen. Ed (17)	1	Gen. Ed (05)	3	UWR		Gen. Ed (20)	3
Lower Div A&H Elective	3	TOTAL	16	TOTAL	15	TOTAL	17
TOTAL	15	Second Semester		Second Semester		Second Semester	
Second Semester		Gen. Ed (13 or 14)	3	Gen. Ed. (11)	3	Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed. (19)	2	MUS 282	4	MUS 372	3	Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed. (02)*	3	MUS 211	1	Applied (300 level)	1	MUS 481	3
MUS 182	4	Applied (200 level)	1	MUS 483	2	MUS 585***	2
MUS 111 or 115**	1	MUS 272	3	MUS 480	3	MUS 555***	3
Applied (100 level)	1	MUS 283	1	Gen. Ed (13 or 14)	3	Applied (400 level)	1
Foreign Language	3	Gen. Ed. (06)	3	TOTAL	15	Restricted Elective	2
Gen Ed (18)	1	TOTAL	16			TOTAL	17
MAT 105	3						
TOTAL	16						

*ENG 105 for students scoring above 23 on English portion of ACT, earns six credits for grade of "B" or higher. Substitute another General Ed for 2nd semester English.
**MUS 110 or 114 requires placement test. Students who complete MUS 114-115 do not have to take class piano [MUS 210-211] in the 2nd year.
***These optional courses may be taken to meet the 4-credit upper division music elective requirement.

Suggested Curriculum Guide for Music (B.M.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
AHO 100	1	MAT 105	3	Gen. Ed (10)	3	Gen Ed (15)	3
Gen Ed (01)*	3	MUS 281	4	MUS 371	3	MUS 550	1
MUS 181	4	MUS 210**	0-1	Applied (300 level)	4	MUS 480	3
MUS 110 or 114**	1	Applied (200 level)	2	Ensemble***	1	Upper Div Mus. Elective	3
Applied (100 level)	2	Ensemble***	1	Gen. Ed (05)	3	Applied (400 level)	4
Ensemble ***	1	Gen. Ed (09)	3	MUS 368 (Vocal Majors)	2	Ensemble***	1
Gen. Ed (17)	1	Gen. Ed (03)	3	MUS 383	3	TOTAL	17
Foreign Language	3	MUS 366	1	UWR		Second Semester	
TOTAL	16	TOTAL	17-18	TOTAL	19	Gen. Ed (04,12, or 16)	3
Second Semester		Second Semester		Second Semester		MUS 551	1
Gen. Ed (19)	2	Gen. Ed (13 or 14)	3	Gen. Ed. (11)	3	MUS 481	3
Gen Ed (02)*	3	MUS 282	4	MUS 372	3	MUS 499	2
MUS 182	4	MUS 211**	0-1	Applied (300 level)	3	Restricted elective	3
MUS 111 or 115**	1	Applied (200 level)	2	Ensemble***	1	Applied (400 level)	4
Applied (100 level)	2	Ensemble***	1	Gen Ed (06)	3	Ensemble***	1
Ensemble***	1	MUS 272	3	Gen Ed. (13 or 14)	3	TOTAL	17
Gen. Ed (18)	1	SPE 301	2	MUS 399	1		
Foreign Language	3	MUS 367 (Instrumental Majors)	2	TOTAL	17		
TOTAL	17	TOTAL	17-18				

*ENG 105 for students scoring above 23 on English portion of ACT, earns six credits for grade of "B" or higher. Substitute another General Ed for 2nd semester English.
**MUS 110 or 114 requires placement test. Students who qualify for MUS 114 do not have to take class piano in the 2nd year.
***Students on music scholarships will need to plan for more than one ensemble each semester.

Suggested Curriculum Guide for Music/Teaching/Vocal Music (B.M.E.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester*** **	
AHO 100	1	+EDF 203	2	EPY 413	2	SED 401	3
+Gen. Ed (01)*	3	MUS 281	4	EME 378	3	Gen. Ed (15)	3
MUS 181	4	MUS 210	0-1	MUS 371	3	Applied (MUS 422)	1
MUS 110 or 114**	1	Applied (222 level)	1	Applied (MUS 322)	1	Ensemble	1
Applied (MUS 122)	1	Ensemble	1	Ensemble	1	MUS 383	3
Ensemble	1	MUS 230	1	MUS 354	1	Gen. Ed (20)	2
Gen. Ed (09)	3	MUS 351	1	MUS 251	1	MUS 513	1
Gen. Ed (17)	1	MUS 366	1	MUS 368	2	Restricted Electives	3
Gen. Ed (19)	2	MAT 105	3	MUS 365	1	**TOTAL**	**17**
TOTAL	**17**	Gen. Ed (10)	3	Gen. Ed. (05)	3	**Second Semester*** **	
Second Semester		**TOTAL**	**17-18**	UWR		EMS 499	12
Gen. Ed (13 or 14)	3	**Second Semester**		**TOTAL**	**18**	Education Course	2
+Gen. Ed (02)*	3	EPY 319	4	**Second Semester**		**TOTAL**	**14**
MUS 182	4	MUS 282	4	ESE 498	3		
MUS 111 or 115**	1	MUS 211	0-1	ESE 379	3		
Applied (MUS 122)	1	Gen. Ed (11)	3	MUS 372	3		
Ensemble	1	Applied (MUS 222)	1	Applied (MUS 322)	1		
+EDF 103	2	Ensemble	1	Ensemble	1		
Gen. Ed (18)	1	Gen. Ed (13 or 14)	3	Gen Ed (04, 12, or 16)	3		
Gen. Ed. (03) or CIS 212 or CSC 104	3	**TOTAL**	**16-17**	Gen. Ed. (06)	3		
TOTAL	**19**			MUS 513	1		
				MUS 364	1		
				TOTAL	**19**		

*ENG 105 for students scoring above 23 on English portion of ACT, earns six credits for grade of "B" or higher. Substitute another General Ed for 2nd semester English
**MUS 110 or 114 requires placement test. Students who qualify for MUS 114 do not have to take class piano in the 2nd year
Application For Admission to Teacher Education-must be completed prior to registering for some junior level classes
+Requirements include overall 2.5 grade point, CIS 212 or CSC 104, MAT 105, grade of "C" or better in ENG 101 or 102, EDF 102, 200 (300) or equivalent
***Instrumental students wanting to student teach during fall semester for marching band experience may interchange these two semesters
Strongly urged to take MUS 480 if at all possible

TOTAL HOURS ..... **133 minimum**
..... **137 if all piano required**
(check sheet hours include this piano requirement)

Suggested Curriculum Guide for Music/Instrumental Music (B.M.E.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
AHO 100	1	+EDF 203	2	EPY 413	2	SED 401	3
+Gen. Ed (01)*	3	MUS 281	4	EME 378	3	Restricted Elective or ESE 498	3
MUS 181	4	MUS 210**	0-1	MUS 371	3	Gen Ed (15)	3
MUS 110 or 114**	1	Applied (200 level)	1	Applied	1	Applied	1
Applied	1	Ensemble	1	Ensemble	1	Ensemble	1
Ensemble	1	MUS 230	1	Gen. Ed (05)	3	MUS 383	3
Gen. Ed. (09)	3	MUS 351	1	MUS 365	1	Gen. Ed (20)	2
Gen Ed. (17)	1	MUS 366	1	MUS 354 and/or 251	1	**TOTAL**	**16**
Gen. Ed (19)	2	Gen Ed (10)	3	Gen. Ed (04, 12, or 16)	3	**Second Semester****	
TOTAL	**17**	MAT 105	3	UWR		EMS 499	12
Second Semester		**TOTAL**	**17-18**	**TOTAL**	**18**	Education Course	2
Gen Ed (13 or 14)	3	**Second Semester**		**Second Semester**		**TOTAL**	**14**
+Gen. Ed (02)*	3	EPY 319	4	ESE 498 (or Fall)***	3		
MUS 182	4	MUS 282	4	ESE 379	3		
MUS 111 or 115**	1	MUS 211**	0-1	MUS 372	3		
Applied	1	Gen. Ed (11)	3	Applied	1		
Ensemble	1	Applied	1	Ensemble	1		
+EDF 103	2	Ensemble	1	MUS 320	1		
Gen Ed (18)	1	MUS 330	1	Gen. Ed. (06)	3		
+Gen. Ed (03) CSC 104 or CIS 212	3	MUS 352	1	MUS 367	2		
TOTAL	**19**	Gen. Ed (13 or 14)	3	MUS 364	1		
		TOTAL	**18-19**	MUS 252	1		
				TOTAL	**19**		

*ENG 105 for students scoring above 23 on English portion of ACT, earns six credits for grade of "B" or higher. Substitute another General Ed for 2nd semester English.
**MUS 110 or 114 requires placement test. Students who qualify for MUS 114 do not have to take class piano in the 2nd year
Application For Admission to Teacher Education-must be completed prior to registering for some junior level classes
+Requirements include overall 2.5 grade point, CIS 212 or CSC 104, MAT 105, grade of "C" or better in ENG 101 or 102, EDF 102, 202 (300) or equivalent.
***Substitute 3 hr. Restricted Elective
Students not required to take one hour of major instrument (MUS 251, 252, 230, 330, 351, 352, 354) during sophomore or junior year
****Instrumental students wanting to student teach during fall semester for marching band experience may interchange these two semesters
Strongly urged to take MUS 480 if at all possible

TOTAL HOURS ..... **134 minimum**
..... **138 if all piano required**
(check sheet hours include this piano requirement)

Suggested Curriculum Guide for Paralegal Science (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CSO 100	1	LAS 210	3	LAS 325	3	Paralegal Elective 330, 340, 360, 370 or 380	3
Gen. Ed. (01)	3	Gen. Ed. (05)	3	LAS 300	3	LAS 410	3
POL 101	3	Gen. Ed. (15)	3	ENG 301	3	POL 460, 463, or 464	3
Gen. Ed. (07 and 13)	6	Gen. Ed. (09)	3	Paralegal Elective 330, 340, 360, 370, or 380	3	Free Electives	6
Gen. Ed. (20)	2	Restricted Elective	3	Gen. Ed. (11)	3	**TOTAL**	**15**
Gen. Ed. (17)	1	Gen. Ed. (21)	3	Free Elective	3	**Second Semester**	
TOTAL	**16**	**TOTAL**	**18**	UWR		Paralegal Elective 330, 340, 360, 370 or 380	3
Second Semester		**Second Semester**		**TOTAL**	**18**	LAS 385	3
Gen. Ed. (03 and 14)	6	LAS 220	3	**Second Semester**		LAS 399	4
Gen. Ed. (02)	3	LAS 320	3	LAS 350	3	Free Electives	6
ACC 201	3	Gen. Ed. (06)	3	Paralegal Elective 330, 340, 360, 370, or 380	3	**TOTAL**	**16**
Gen. Ed. (19)	2	Gen. Ed. (10)	3	Free Electives	6		
Gen. Ed. (18)	1	Free Elective	3	Gen. Ed. (04, 08, or 16)	3		
TOTAL	**15**	**TOTAL**	**15**	**TOTAL**	**15**		

Suggested Curriculum Guide for Performing Arts (B.F.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
AHO 100	1	THE 235	3	Gen. Ed. (20)	2-3	THE 330*	1
Gen. Ed (01)	3	THE 285*	2	THE 340*	1	Gen. Ed. (19)	2
Gen. Ed. (17)	1	THE 340*	1	THE 341***	3	MUS 422*	1
THE 135	3	MUS 222*	1	THE 390** (or 391**)	3	Gen. Ed. (15)	3
MUS 122*	1	MUS 225* or 226*	1	MUS 322	1	Gen. Ed. (04, 08, 12, or 16)	3
MUS 181	4	Gen. Ed (07)	3	Gen. Ed (10)	3	BFA Required Option Course	6
Gen. Ed (21)	3	Gen. Ed (13)	3	BFA Required Option Course	3	**TOTAL**	**16**
TOTAL	**16**	Restricted Elective	3	UWR		**Second Semester**	
Second Semester		**TOTAL**	**17**	**TOTAL**	**16-17**	MUS 422*	1
Gen. Ed (02)	3	**Second Semester**		**Second Semester**		Gen. Ed. (03)	3
THE 110	3	Gen. Ed (18)	1	THE 330*	1	Gen. Ed. (04, 08, 12, or 16)	3
THE 200***	2	THE 130*	1	MUS 322*	1	BFA Required Option Courses	3
MUS 122*	1	THE 280	3	MUS 272**, 273** or 372**	3	Free Electives	5
MUS 182	4	THE 385*	2	BFA Required Option Course	3	**TOTAL**	**15**
Gen Ed (09)	3	MUS 222*	1	Gen. Ed (06)	3		
TOTAL	**16**	MUS 225* or 226*	1	Gen Ed. (11)	3		
		Gen. Ed (05)	3	Free Elective	3		
		Gen. Ed (14)	3	**TOTAL**	**17**		
		TOTAL	**15**				

Candidates must also meet piano certification requirements as set down by the Department of Music. All course offerings are dependent upon University need and minimum enrollment

*can be taken multiple times for credit — see course description

**only one of the courses is required, others can be elective

***scheduling approximate as course is offered every third semester

Suggested Curriculum Guide for Philosophy (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
AHO 100	1	PHI 130	3	PHI 330	3	PHI 499	3
Gen. Ed. (01)	3	PHI 300	3	PHI 371	3	PHI or REL	3
Gen Ed (17)	1	Gen. Ed. (05)	3	Gen. Ed. (13 or 14)	3	Gen. Ed. (04, 08, 12, or 16)	6
MAT 105	3	ENG 211	3	Gen Ed (11)	3	Electives	6
PHI 100	3	Restricted Elective	3	Electives	6	**TOTAL**	**18**
Gen. Ed. (09)	3	**TOTAL**	**15**	UWR		**Second Semester**	
Gen. Ed. (20)	2-3	**Second Semester**		**TOTAL**	**18**	Electives	16
TOTAL	**16-17**	PHI 320	3	**Second Semester**		**TOTAL**	**16**
Second Semester		PHI 333	3	PHI or REL	3		
Gen Ed (02)	3	ENG 212	3	PHI	3		
Gen Ed (18)	1	Gen. Ed. (06)	3	Gen. Ed (15)	3		
PHI 110	3	Electives	3	Electives	6		
Gen Ed. (13 or 14)	3	**TOTAL**	**15**	**TOTAL**	**15**		
Gen. Ed. (10)	3						
Gen. Ed. (19)	2						
TOTAL	**15**						

Suggested Curriculum Guide for Physical Science/Teaching (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
NMO 100	1	CHE 361	4	PHY 300	3	GLY 302	3
Gen. Ed. (01)	3	PHY 201	5	GLY Elective	3	SED 401	3
MAT 124	4	EDF 103	2	EPY 319	4	ESE 498	3
CHE 111	4	SPE 301	2	Gen. Ed. (05)	3	Gen. Ed. (07)	3
Gen. Ed. (09)	3	Gen. Ed (18)	1	BIO 100 or NAT 101	3	AST 135	3
TOTAL	**15**	Elective	1	Gen. Ed. (19)	2	**TOTAL**	**15**
Second Semester		**TOTAL**	**15**	UWR		**Second Semester**	
Gen. Ed. (02)	3	**Second Semester**		**TOTAL**	**18**	ESE 451	3
MAT 224	4	CHE 325	4	**Second Semester**		ESE 499	12
CHE 112	5	PHY 202	5	PHY 301	3	**TOTAL**	**15**
Gen. Ed. (10)	3	EDF 203	2	GLY Elective	3		
Gen. Ed (17)	1	CSC 104 or CIS 212	3	EPY 413	2		
TOTAL	**16**	Gen. Ed. (11)	3	BIO 317 or NAT 363	3		
		TOTAL	**17**	Gen. Ed. (06)	3		
				Restricted Elective	3		
				TOTAL	**17**		

Suggested Curriculum Guide for Physics (B.S.)
Physics, General Option

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
MAT 124	4	MAT 225	4	PHY 300	3	PHY 558	3
CHE 111	4	PHY 201	5	PHY 306	2	PHY Electives (Upper Division)	6
NMO 100	1	Gen. Ed. (18)	1	MAT 353	3	Electives	6
Gen Ed (01)	3	Gen. Ed (05)	3	EET 252	3	**TOTAL**	**15**
Gen Ed (17)	1	Gen. Ed. (10)	3	Elective	3	**Second Semester**	
Gen. Ed (09)	3	**TOTAL**	**16**	Restricted Elective	3	PHY 559	3
TOTAL	**16**	**Second Semester**		UWR		PHY 520	4
Second Semester		SPE 301	2	**TOTAL**	**17**	PHY Elective (Upper Division)	3
MAT 224	4	PHY 202	5	**Second Semester**		Electives	6
CHE 112	5	Elective	3	PHY 301	3	**TOTAL**	**16**
CSC 174	3	Gen. Ed (06)	3	Gen. Ed (07)	3		
Gen. Ed (02)	3	Gen. Ed (11)	3	Gen. Ed (13)	3		
Gen Ed (19)	2	**TOTAL**	**16**	Electives	6		
TOTAL	**17**			**TOTAL**	**15**		

Suggested Curriculum Guide for Physics
Engineering Physics Option

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
MAT 124	4	MAT 225	4	PHY 300	3	PHY 315	4
CHE 111	4	PHY 201	5	PHY 306	2	PHY 375	3
NMO 100	1	Gen. Ed (18)	1	MAT 353	3	Engr Physics Electives	3
Gen Ed (01)	3	Gen. Ed (05)	3	EET 252	3	PHY 558	3
Gen. Ed. (17)	1	Gen. Ed. (10)	3	Elective	3	Elective	3
Gen. Ed. (09)	3	**TOTAL**	**16**	Restricted Elective	3	**TOTAL**	**16**
TOTAL	**16**	**Second Semester**		UWR		**Second Semester**	
Second Semester		SPE 301	2	**TOTAL**	**17**	Engr. Physics Elective	3
MAT 224	4	PHY 202	5	**Second Semester**		Gen. Ed. (13)	3
CHE 112	5	Elective	3	PHY 301	3	Electives	9
CSC 174	3	Gen Ed (06)	3	Gen. Ed. (07)	3	**TOTAL**	**15**
Gen. Ed. (02)	3	Gen. Ed. (11)	3	PHY 221	3		
Gen. Ed. (19)	2	**TOTAL**	**16**	Electives	6		
TOTAL	**17**			**TOTAL**	**15**		

Suggested Curriculum Guide for Political Science (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CSO 100	1	Gen. Ed. (05)	3	Gen. Ed. (15)	3	POL 551, 552, 553	3
Gen. Ed. (01)	3	POL Amer/PA	3	POL Comp/IR	3	POL Elective	3
Gen. Ed. (03)	3	Gen. Ed. (04, 08, 12, or 16)	3	POL Amer/PA	3	Electives	9
Gen. Ed. (07)	3	Gen. Ed. (10)	3	Gen. Ed. (04, 08, 12, or 16)	3	**TOTAL**	**15**
POL 101	3	Gen. Ed. (19)	2	Elective	3	**Second Semester**	
Gen. Ed. (21)	3	Elective	3	UWR		Electives	15
Gen. Ed. (17)	1	**TOTAL**	**17**	**TOTAL**	**15**	**TOTAL**	**15**
TOTAL	**17**	**Second Semester**		**Second Semester**			
Second Semester		Gen. Ed. (06)	3	POL Comp/IR	3		
Gen. Ed. (09)	3	POL Comp/IR	3	Electives	10		
Gen. Ed. (02)	3	POL Elective	3	POL Amer/PA	3		
Gen. Ed (18)	1	Gen. Ed. (11)	3	**TOTAL**	**16**		
POL 280	3	Gen. Ed. (14)	3				
Restricted Elective	3	Gen. Ed. (20)	2				
Gen. Ed. (13)	3	**TOTAL**	**17**				
TOTAL	**16**						

Suggested Curriculum Guide for Psychology (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CSO 100	1	Gen. Ed (05)	3	Electives	6	PSY Elective	3
Gen. Ed. (01)	3	PSY 300, 305, 308, 312, 314, or 316	3	Gen. Ed. (03, 07, 09, 13, or 14)	3	Electives	12
PSY 201 or 202	3	Gen. Ed. (11 and 15)	6	PSY 302, 319, 405, 406, or 490	3	**TOTAL**	**15**
Gen. Ed (03, 07, 09, or 13)	6	PSY 291	4	PSY 311, 313, 315, or 317	3	**Second Semester**	
Gen. Ed. (17)	1	**TOTAL**	**16**	UWR		PSY Elective	3
Gen. Ed. (21)	3	**Second Semester**		**TOTAL**	**15**	Electives	12
TOTAL	**17**	Gen. Ed (03, 07, 09, 13, or 14)	3	**Second Semester**		**TOTAL**	**15**
Second Semester		Gen. Ed (06)	3	PSY 349 or 401	3		
Gen. Ed. (03, 07, 09, 10, or 14)	6	Gen. Ed (04, 08, 12, or 16)	6	Electives	8		
Gen. Ed (02)	3	Gen. Ed (19)	2	Restricted Elective	3		
Gen. Ed. (18)	1	PSY 301	3	PSY Elective	3		
PSY 201 or 202	3	**TOTAL**	**17**	**TOTAL**	**17**		
Gen Ed (20)	2						
Elective	1						
TOTAL	**16**						

Suggested Curriculum Guide for Social Work (B.S.W.)
Students entering first semester Freshman Year

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
SOC 131	3	SWK 310	3	SOC 232	3	SWK 410	3
Gen Ed. (01)	3	SWK 225	3	SWK 350**	3	SWK 360	3
Gen. Ed. (04, 08, or 16)	3	Gen. Ed. (05)	3	SWK 354	1	Elective	3
Gen. Ed. (03)	3	Gen Ed. (13)	3	Gen. Ed. (07)	3	Elective	3
CSO 100	1	Restricted Elective	3	Gen. Ed (14)	3	Elective	3
Gen Ed. (17)	1	Elective	1	Gen. Ed. (11)	3	**TOTAL**	**15**
TOTAL	**14**	Gen. Ed. (19)	2	UWR		**Second Semester**	
Second Semester		**TOTAL**	**18**	**TOTAL**	**16**	SWK 490	12
SWK 210	2	**Second Semester**		**Second Semester**		**TOTAL**	**12**
PSY 202	3	SWK 335	3	SWK 355	3		
POL 101	3	SWK 311	3	SWK 390	3		
Gen. Ed. (02)	3	SOC 400	3	SWK 358	3		
Gen. Ed. (21)	3	Gen. Ed. (06)	3	Gen. Ed (15)	3		
Gen. Ed. (20)	2	Gen. Ed. (10)	3	Elective	3		
Gen. Ed. (18)	1	Elective	3	Elective	3		
TOTAL	**17**	**TOTAL**	**18**	**TOTAL**	**18**		

**Student must be admitted to the Professional Social Work Program prior to enrolling in SWK 350.

Suggested Curriculum Guide for Sociology (B.A.)

Freshman Year

First Semester

CSO 100	1
Gen. Ed (01)	3
SOC 131	3
Gen. Ed (03, 07, and 09)	9
Gen. Ed. (17)	1
TOTAL	**17**

Second Semester

Gen. Ed. (04, 10, and 13)	9
Gen. Ed. (02)	3
SOC Lower Division Elective	3
Gen. Ed. (18)	1
TOTAL	**16**

Sophomore Year

First Semester

Gen. Ed (19)	2
Gen. Ed (21)	3
Gen. Ed (05, 11, and 14)	9
SOC Upper Division Elective	3
TOTAL	**17**

Second Semester

Gen. Ed (20)	2
Elective	1
SOC 232	3
Gen. Ed (06, 12, and 15)	9
TOTAL	**15**

Junior Year

First Semester

Electives	9
SOC Upper Division Elective	3
SOC 395	3
UWR	
TOTAL	**15**

Second Semester

SOC Upper Division Electives	6
Electives	12
TOTAL	**18**

Senior Year

First Semester

SOC 420, 460, 463, or 470	3
Restricted Elective	3
Electives	9
TOTAL	**15**

Second Semester

SOC 461	3
Electives	12
TOTAL	**15**

Suggested Curriculum Guide for Spanish (B.A.)

Freshman Year

First Semester

AHO 100	1
Gen. Ed (01)	3
Gen. Ed. (17)	1
Gen. Ed. (19)	2
MAT 105 or higher	3
Gen. Ed. (09)	3
SPA 101, 102, 105 or Gen. Ed (03)	3
TOTAL	**16**

Second Semester

Gen. Ed. (02)	3
Gen. Ed (18)	1
Gen. Ed. (10 or 11)	3
Gen. Ed (13 or 14)	3
Restricted Elective	3
SPA 201	3
TOTAL	**16**

Sophomore Year

First Semester

Elective or Minor	3
Gen. Ed (13 or 14)	3
Gen. Ed (10 or 11)	3
Gen. Ed (20)	2-3
SPA 202	3
FCC 226	3
TOTAL	**17-18**

Second Semester

Gen. Ed (05 or 06)	3
Gen. Ed (15)	3
Gen. Ed (04, 08, 12, or 16)	3
Elective or Minor	3
SPA 206	3
SPA 301	3
TOTAL	**18**

Junior Year

First Semester

Gen. Ed (05 or 06)	3
Elective or Minor	4
Gen. Ed. (04, 08, 12, or 16)	3
SPA 405, 406, or 407	3
SPA 360	3
UWR	
TOTAL	**16**

Second Semester

Elective or Minor	9
SPA 360 or 370	3
SPA 405, 406, or 407	3
TOTAL	**15**

Senior Year

First Semester

Elective or Minor	12
SPA 405, 406, or 407	3
TOTAL	**15**

Second Semester

Elective or Minor	12
SPA 310 or 572	3
TOTAL	**15**

Suggested Curriculum Guide for Spanish/Teaching (B.A.)

Freshman Year

First Semester

AHO 100	1
Gen. Ed. (01)	3
Gen. Ed. (17)	1
MAT 105 or higher	3
Gen. Ed. (19)	2
Gen. Ed. (09)	3
SPA 101, 102, 105 or Gen. Ed. (03)	3
TOTAL	**16**

Second Semester

Gen. Ed. (02)	3
Gen. Ed. (18)	1
EDF 103	2
Gen. Ed. (10 or 11)	3
Gen. Ed. (13 or 14)	3
SPA 201	3
TOTAL	**15**

Sophomore Year

First Semester

Gen. Ed (13 or 14)	3
Gen. Ed. (10 or 11)	3
EDF 203	2
SPA 202	3
FCC 226	3
Gen. Ed (20)	2-3
TOTAL	**16-17**

Second Semester

Gen. Ed (05 or 06)	3
Gen. Ed (15)	3
EPY 319	4
SPA 206	3
SPA 301	3
TOTAL	**16**

Junior Year

First Semester

Gen. Ed (05 or 06)	3
Gen. Ed. (04, 08, 12, or 16)	6
SPA 360	3
SPA 405, 406, or 407	3
Elective or Minor	3
UWR	
TOTAL	**18**

Second Semester

Elective or Minor	6
Restricted Elective	3
SPA 360 or 370	3
SPA 405, 406, or 407	3
TOTAL	**15**

Senior Year

First Semester

EME 442	3
EPY 413	2
SED 401	3
SPA 405, 406, or 407	3
SPA 310	3
ESE 498	3
TOTAL	**17**

Second Semester

ESE 443	3
EMS 499	12
TOTAL	**15**

Suggested Curriculum Guide for Speech Communication/Alternative Dispute Resolution (B.A.)

Freshman Year

First Semester

AHO100	1
Gen. Ed (01)	3
Gen. Ed (17)	1
Gen. Ed. (19)	2
Gen. Ed (21)	3
SPE 200	3
Gen. Ed (03)	3
TOTAL	**16**

Second Semester

Gen. Ed (02)	3
Gen. Ed (18)	1
SPE 210	3
LAS 101	3
GBU 204	3
Gen Ed (04, 08, 12 or 16)	3
TOTAL	**16**

Sophomore Year

First Semester

Gen. Ed (07)	3
Gen. Ed (09)	3
Gen. Ed (10)	3
Gen. Ed. (11)	3
SPE 205	3
TOTAL	**15**

Second Semester

Gen Ed (05)	3
Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed (13)	3
Gen Ed (14)	3
SPE 325	3
TOTAL	**15**

Junior Year

First Semester

Gen. Ed (06)	3
Gen. Ed. (15)	3
SPE 250	3
SPE 310	3
SPE 415	3
Free Elective	3
TOTAL	**18**

Second Semester

Restricted Elective	3
SPE 410	3
SPE 406	3
SPE 420	3
Free Electives	3
TOTAL	**15**

Senior Year

First Semester

SPE 350	3
SPE 450	3
SOC 232	3
POL 460	3
Free Electives	5
TOTAL	**17**

Second Semester

SPE 370	3
SPE 320	3
SPE 300	3
Free Electives	7
TOTAL	**16**

*Note: offered every third semester
** to be announced

Suggested Curriculum Guide for Speech Communication/Health Communication Emphasis (B.A.)

Freshman Year

First Semester

AHO 100	1
Gen Ed. (01)	3
Gen Ed. (17)	1
Gen. Ed (19)	2
Gen Ed (21)	3
SPE 200	3
Gen Ed (03)	3
TOTAL	**16**

Second Semester

Gen Ed (02)	3
Gen. Ed (18)	1
Gen Ed (04, 08, 12, or 16)	3
SPE 210	3
Restricted Elective	3
Free Electives	3
TOTAL	**16**

Sophomore Year

First Semester

Gen. Ed. (07)	3
Gen Ed (09)	3
Gen Ed. (10)	3
Gen. Ed (11)	3
SPE 205	3
TOTAL	**15**

Second Semester

Gen Ed (05)	3
Gen Ed (04, 08, 12, or 16)	3
Gen Ed. (13)	3
Gen Ed (14)	3
SPE 353	3
TOTAL	**15**

Junior Year

First Semester

Gen. Ed (06)	3
Gen. Ed (15)	3
SPE 250	3
SPE 310	3
SPE 375	3
Free Electives	3
TOTAL	**18**

Second Semester

SPE 410	3
SPE 406	3
SPE 400 or 490	3
SOC 353, HEA 315, HEA 281, or HEA 440	6
TOTAL	**15**

Senior Year

First Semester

SPE 350	3
SPE 450	3
SOC 232	3
SOC 353, HEA 281, or HEA 463	3
Free Electives	3
TOTAL	**15**

Second Semester

SPE 370	3
SPE 320	3
SPE 300	3
Free Electives	8
TOTAL	**17**

*Note: offered every third semester
**to be announced

Suggested Curriculum Guide for Speech Communication/Human Services Emphasis (B.A.)

Freshman Year

First Semester

AHO 100	1
Gen. Ed (01)	3
Gen Ed (17)	1
Gen Ed (21)	3
Gen. Ed (04, 08, 12, or 16)	3
Gen Ed (05)	3
Gen Ed (19)	2
TOTAL	**16**

Second Semester

Gen. Ed. (02)	3
Gen. Ed (18)	1
Gen. Ed (03)	3
Gen Ed (06)	3
Gen. Ed (07)	3
Gen Ed (04, 08, 12, or 16)	3
TOTAL	**16**

Sophomore Year

First Semester

SPE 200	3
Gen. Ed (05)	3
SPE 210	3
SPE 325, REC 102** or SOC 235	3
Gen. Ed (09)	3
Gen. Ed. (10)	3
TOTAL	**15**

Second Semester

Gen Ed (06)	3
SPE 325, REC 102** or SOC 235	3
SPE 310*	3
SPE 320*	3
Gen Ed (11)	3
Gen Ed (13)	3
TOTAL	**18**

Junior Year

First Semester

Gen. Ed. (14)	3
SPE 205	3
SPE 250	3
SPE 350	3
Minor**	3
Minor**	3
UWR	
TOTAL	**18**

Second Semester

SPE 406	3
SPE 300	3
Minor**	3
Minor**	3
Restricted Electives	5
TOTAL	**17**

Senior Year

First Semester

SOC 232	3
SPE 410	3
Electives	9
TOTAL	**15**

Second Semester

SPE 370	3
Gen Ed. (15)	3
Electives	10
TOTAL	**16**

*Note: offered every third semester
**check when offered

Suggested Curriculum Guide for Speech Communication/Organizational Communication Emphasis (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
AHO 100	1	SPE 200	3	Gen. Ed (14)	3	SOC 232	3
Gen. Ed (01)	3	Gen. Ed. (05)	3	SPE 205	3	SPE 410	3
Gen. Ed. (17)	1	ACC 201**	3	SPE 250	3	Electives	9
Gen. Ed (21)	3	Gen. Ed. (09)	3	SPE 350	3	**TOTAL**	**15**
Gen. Ed. (04, 08, 12, or 16)	3	Gen. Ed (10)	3	CIS 212, MGT 300 or MKT 300**	3	**Second Semester**	
Gen. Ed (05)	3	**TOTAL**	**15**	CIS 212, MGT 300 or MKT 300**	3	SPE 370	3
Gen. Ed. (19)	2	**Second Semester**		UWR		Gen. Ed (15)	3
TOTAL	**16**	ECO 231**	3	**TOTAL**	**18**	Electives	10
Second Semester		SPE 310*	3	**Second Semester**		**TOTAL**	**16**
Gen. Ed. (02)	3	SPE 320*	3	SPE 406	3		
Gen. Ed. (18)	1	Gen. Ed (11)	3	SPE 300	3		
Gen. Ed (03)	3	Gen. Ed. (13)	3	Upper division business**	3		
Gen. Ed. (06)	3	Gen. Ed (06)	3	Upper division business**	3		
Gen. Ed (07)	3	**TOTAL**	**18**	Restricted Electives	5		
Gen. Ed. (04, 08, 12, or 16)	3			**TOTAL**	**17**		
TOTAL	**16**						

*Note: offered every third semester
**check when offered

Suggested Curriculum Guide for Speech and Theatre Arts (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
AHO 100	1	Gen. Ed. (18)	1	SPE 310***	3	SPE 400*** (or 410***)	3
Gen. Ed. (01)	3	SPE 205	3	THE 330*	1	Gen Ed (09)	3
Gen. Ed. (17)	1	THE 210	3	Gen. Ed (06)	3	Gen Ed. (15)	3
THE 135	3	THE 235	3	Gen Ed (07)	3	Free Electives	6
THE 220	3	Gen Ed. (05)	3	Free Electives	6	**TOTAL**	**15**
Gen. Ed. (21)	3	Gen. Ed. (10)	3	UWR		**Second Semester**	
Gen. Ed. (13)	3	**TOTAL**	**16**	**TOTAL**	**16**	THE 390** (or 391**)	3
TOTAL	**17**	**Second Semester**		**Second Semester**		Gen Ed (03)	3
Second Semester		Gen Ed (19)	2	THE 341***	3	Gen Ed. (04, 08, 12, or 16)	3
Gen. Ed (02)	3	SPE 210	3	Gen. Ed (04, 08, 12, or 16)	3	Free Electives	6
SPE 200	3	THE 130*	1	Restricted Elective	3	**TOTAL**	**15**
THE 110	3	THE 150***	3	Free Electives	6		
Gen. Ed. (14)	3	Gen Ed (11)	3	**TOTAL**	**15**		
Free Electives	5-6	Free Elective	3				
TOTAL	**17-18**	**TOTAL**	**15**				

All course offenngs are dependent upon University need and minimum enrollment.
*can be taken multiple times for credit—see course description
**only one of the courses is required, others can be electives
***scheduling approximate as course is offered every third semester

Suggested Curriculum Guide for Speech and Theatre Arts/Teaching (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
AHO 100	1	Gen. Ed (18)	1	SPE 400*** (or 410***)	3	SED 401	3
Gen. Ed (01)	3	SPE 205	3	THE 330*	1	ESE 498	3
Gen. Ed. (17)	1	THE 235	3	THE 390** (or 391**)	3	Gen. Ed. (09)	3
THE 135	3	EDF 203	2	EPY 319	4	Gen. Ed (15)	3
THE 220	3	Gen. Ed (05)	3	Teaching Minor	9	Teaching Minor	9
Gen. Ed (21)	3	Gen. Ed (10)	3	UWR		**TOTAL**	**21**
Gen. Ed. (13)	3	Gen. Ed. (04, 08, 12, or 16)	3	**TOTAL**	**20**	**Second Semester**	
Gen. Ed (04, 08, 12, or 16)	3	**TOTAL**	**18**	**Second Semester**		ESE 443****	3
TOTAL	**20**	**Second Semester**		THE 341***	3	ESE 499****	12
Second Semester		Gen. Ed (19)	2	EPY 413	2	**TOTAL**	**15**
Gen. Ed. (02)	3	SPE 210	3	Restricted Elective	3		
SPE 200	3	SPE 310***	3	Teaching Minor	9		
THE 110	3	THE 130*	1	**TOTAL**	**17**		
EDF 103	2	THE 150***	3				
Gen. Ed. (03)	3	Gen. Ed (06)	3				
Gen. Ed. (07)	3	Gen. Ed. (11)	3				
Gen. Ed. (14)	3	**TOTAL**	**18**				
TOTAL	**20**						

This major requires 142 hours of course work, and there are no electives
*can be taken multiple times for credit—see course description
**only one of the courses is required, others can be electives
***scheduling approximate as course is offered every third semester
****must be taken in the last spring semester, no other courses can be taken during this term

Suggested Curriculum Guide for Statistics (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
MAT 124	4	MAT 225	4	One of STA 375, 501, or 575	3	STA 520	3
NMO 100	1	STA 270	3	Gen. Ed. (07)	3	One of STA 375, 501, or 575	3
Gen. Ed. (01)	3	Gen. Ed. (17)	1	SPE 301	2	Electives	9
Gen. Ed. (19)	2	Gen. Ed. (05)	3	Electives	9	**TOTAL**	**15**
Gen. Ed. (09)	3	Gen. Ed (11)	3	UWR		**Second Semester**	
Gen. Ed. (13)	3	Gen. Ed. (14)	3	**TOTAL**	**17**	STA 521	3
TOTAL	**16**	**TOTAL**	**17**	**Second Semester**		CSC/MAT/STA Elective	3
Second Semester		**Second Semester**		STA 370	3	Electives	9
MAT 224	4	MAT 214	3	CSC/MAT/STA Elective	3	**TOTAL**	**15**
Programming Language	3	STA 271	3	Gen. Ed. (08, 12, or 16)	3		
Gen. Ed. (02)	3	Gen. Ed. (06)	3	Restricted Elective	3		
Gen. Ed (04)	3	Gen. Ed (15)	3	**Electives**	**4**		
Gen. Ed. (10)	3	Gen. Ed. (18)	1	**TOTAL**	**16**		
TOTAL	**16**	Elective	3				
		TOTAL	**16**				

Suggested Curriculum Guide for Theatre Arts (B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
AHO 100	1	THE 130*	1	THE 330*	1	THE 390	3
Gen. Ed. (01)	3	THE 210	3	THE 310, 311 or 320**	3	Gen. Ed (04, 08, 12, or 16)	3
THE 135	3	THE 235	3	Gen. Ed. (20)	2-3	Free Electives	9
THE 220	3	THE 285*	2	Gen Ed (19)	2	**TOTAL**	**15**
Gen Ed. (21)	3	Gen Ed (05)	3	Gen. Ed (03)	3	**Second Semester**	
Gen. Ed. (09)	3	Gen Ed. (10)	3	Gen Ed (15)	3	THE 391	3
TOTAL	**16**	Restricted Elective	3	Restricted Elective	2-3	Free Electives	12
Second Semester		**TOTAL**	**18**	UWR		**TOTAL**	**15**
Gen. Ed. (02)	3	**Second Semester**		**TOTAL**	**16-18**		
Gen Ed. (17)	1	Gen. Ed. (18)	1	**Second Semester**			
THE 110	3	THE 130*	1	THE 330*	1		
THE 150***	3	THE 200***	2	THE 341***	3		
Gen. Ed. (07)	3	Gen. Ed. (06)	3	THE 430	3		
Gen Ed. (13)	3	Gen. Ed. (11)	3	Gen Ed (04, 08, 12, or 16)	3		
Free Elective	2-3	Gen. Ed (14)	3	Free Electives	6		
TOTAL	**18-19**	Free Elective	3	**TOTAL**	**16**		
		TOTAL	**16**				

All course offerings are dependent upon University need and minimum enrollment.
*can be taken multiple times for credit—see course description
**only one of the courses is required, others can be electives
***scheduling approximate as course is offered every third semester

Suggested Curriculum Guide for Wildlife Management (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
NMO 100	1	BIO 211	4	BIO 316	4	BIO 514	3
BIO 131 or BIO 141	4	MAT 124	4	BIO 320 or BIO 342	4	BIO 553	3
CHE 111	4	Gen. Ed (05)	3	BIO 381	3	Gen. Ed (19)	2
Gen. Ed (01)	3	Gen. Ed (11)	3	Supporting Course	3	AGR 215	3
Gen. Ed. (17)	1	Restricted Elective	3	Elective	3	Gen. Ed (04, 08, or 12)	3
Gen. Ed. (09)	3	**TOTAL**	**17**	UWR		Elective	1
TOTAL	**16**	**Second Semester**		**TOTAL**	**17**	**TOTAL**	**15**
Second Semester		BIO 315	4	**Second Semester**		**Second Semester**	
BIO 131 or BIO 141	4	BIO 335	3	BIO 328 or BIO 348	4	BIO 490	1
CHE 112	5	STA 215 or STA 270	3	BIO 382	4	BIO 554	3
Gen. Ed (02)	3	SPE 301	2	BIO 489	1	BIO 585	3
Gen. Ed (18)	1	Gen. Ed (06)	3	Supporting Course	3	BIO 586	4
Gen Ed (10)	3	Gen Ed (07)	3	Supporting Course	3	BIO Elective	3
TOTAL	**16**	**TOTAL**	**18**	**TOTAL**	**15**	**TOTAL**	**14**

College of Business and Technology

Dr. Robert B. Rogow, Dean
(606) 622-1409
Dr. Janna Vice, Associate Dean
(606) 622-2161

DEPARTMENT / AREA	CONTACT PERSON	PHONE
Accounting, Finance, and Information Systems	Dr. Jessica Frazier, Interim Chair	(606) 622-1087
Agriculture	Dr. Danny Britt, Chair	(606) 622-2228
Air Force ROTC	Col. Steve Parker	(606) 257-7115
Aviation	Dr. Wilma Walker, Coordinator	(606) 622-1014
Family and Consumer Sciences	Dr. Diane Maynard, Chair	(606) 622-3445
Management , Marketing, and Administrative Communication	TBA, Interim Chair	(606) 622-1377
Mass Communication	Dr. Maureen Everett, Chair	(606) 622-1871
Military Science	Lt. Col. Brett Morris	(606) 622-1207
Technology	Dr. William E. Davis, Chair	(606) 622-3232

BUSINESS PROGRAMS

The College of Business and Technology offers a variety of academic opportunities for business students. Business programs are designed to provide professional education for careers in business. Together with the general education requirements, the curriculum also provides an understanding of one's cultural heritage and of the citizen's role in a rapidly changing technology driven society. Many graduates of the College have advanced to positions of prominence in their chosen fields.

Mission

Eastern Kentucky University's College of Business and Technology is committed to being the school of opportunity for men and women of Central and Eastern Kentucky, educating them to become successful business professionals while providing an environment that supports intellectual inquiry and community services.

Goals

To help us achieve our mission, we are committed to accomplishing the following: (1) to graduate students who demonstrate effective skills in written and oral communications, critical thinking, problem-solving, and decision-making; (2) to graduate students who demonstrate an integrated understanding of business and economic principles and competency in a specialized area of study; (3) to graduate students who understand the role and importance of teamwork and leadership in their careers; (4) to graduate students who understand their ethical and social responsibilities to their professions and to the community; (5) to encourage and support experimentation and development of innovative teaching methods and curricula; (6) to support intellectual contributions by encouraging scholarship and instructional development; (7) to foster intellectual and professional growth for continuous development of faculty; (8) to address the diverse needs of the community by providing consultative services, continuing education, and extended campus instruction; (9) to foster mutually beneficial relationships with alumni, businesses, students, staff, and the extended academic community.

Degree Requirements

General University requirements, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Business and Technology. See programs under each department for major requirements. Academic Orientation course (CBO 100) is required in all Business programs. The requirements for the Bachelor of Business Administration (BBA) degree are as follows:

1. A 2.0 GPA must be maintained in all work taken in the Business programs.
2. The University requires that students earn at least 32 semester hours at Eastern and that 30 of the last 36 hours taken must have been earned in residence at Eastern.
3. Hours earned by correspondence study are accepted upon written approval of the dean. However, not more than 25 percent of the total hours applied toward a degree may be earned via correspondence or telecourse instruction, military credit, or credit by examination.
4. Not more than 50 percent of undergraduate course work shall be completed in the Business programs. However,

up to nine semester hours of economics and up to six semester hours of mathematics/statistics will not be included in this 50 percent.

5. Completion of the business core and supporting course requirements: MAT 107 or 211 (MAT 211 is required for economics majors and will satisfy the math requirement for entry into the MBA program) and SOC 131. ACC 201, 202; ACS 300; CIS 300, ECO 230, 231, and approved three credit upper division course in economics; FIN 300; GBU 204, 480; MGT 300, 340, 370; MKT 300; and QMB 200. ACS 300 should be taken in first six hours of upper division work.
6. At least 12 hours in the major must be earned at Eastern Kentucky University. A grade of "C" or higher is required in each course for credit toward the major. Students are urged to review carefully all course prerequisites, including the 60-hour rule, before scheduling 300-level courses (See Index under "Course Numbering"). Prerequisites are necessary to maintain teaching standards and must be observed. Failure to satisfy prerequisites may result in the student being administratively withdrawn from courses.
7. Students must choose a major field at the time they enter the Business program. Students must meet with and have schedules approved by the faculty advisor.
8. A second major can be completed in the Business program or in another college of the University. A third business major is not permitted. Because business students take the business core, they are limited to selected minors offered by the Business program.

Restricted elective requirements for bachelor's degree programs in Business cannot be met by choosing courses taught in Business. (See: Point 4, under degree requirements.)

Prerequisite Structure in the Business Programs

The Curricula in the Business Program are highly structured and carefully integrated. The content and methodology utilized in upper division courses are based upon the assumption that students enrolled in them have matriculated through a specific series of lower division courses which provide students with competencies needed for successful participation in upper division Business courses.

Students who may enroll in upper division business courses include:

1. Business majors who have earned a grade of "C" or better in the foundation courses with a 2.3 GPA;
2. Business minors;
3. Students majoring in other departments whose planned curriculum includes (by virtue of agreements of sponsoring departments with the Business program) selected business courses which support a non-business major or minor; non-business students must complete all lower division business courses required in their major prior to enrolling in any upper division business courses;
4. Students in the College of Arts and Sciences seeking the Bachelor of Arts degree in economics;
5. Students who are not in categories 1 through 4, above, who have completed at least 45 semester college level hours and who obtain permission of the instructor of the class.

Students who enroll in upper division Business courses, and who do not meet the eligibility requirements as outlined in 1 through 5, above, are subject to having their enrollments in such courses canceled by action of the dean of the College, without notice, at any time during the term.

Enrollment in Upper Division Business Courses

To enroll in business courses numbered 300 or above, business majors must have:

1. Completed 60 semester hours of course work, including the following courses (which are known as the "foundation courses"): MAT 107 or MAT 211; ENG 101 and 102 (or 105); ACC 201, 202, ECO 230, 231, GBU 204, and QMB 200;
2. An overall GPA of 2.0 for the 60 or more hours of course work taken at the time of application for upper division study;
3. A grade of "C" or better in each of the foundation courses, and an overall GPA of 2.3 for these same nine courses.

Students may register during the second semester of their sophomore year to take upper division business courses if they (1) have completed at least 42 semester hours of college work, (2) are enrolled in or have successfully completed the foundation courses listed above, and (3) are enrolled in enough additional course work to include their 60th semester hour of credit. If students do not completely fulfill requirements for enrollment in upper division business courses at the beginning of a term for which they have registered for upper division business courses, or if they drop any of the corequisite foundation core classes, they will be required to withdraw, or will be administratively withdrawn, from upper division business courses. Further registrations for such courses will be denied until all program admission requirements have been met.

Delaying completion of the foundation courses will cause a delay or an interruption in a student's progress toward completing a BBA degree program.

Bachelor of Science in Business and Marketing Education/Teaching

The Department of Management, Marketing, and Administrative Communication, in cooperation with the College of Education, provides programs leading to certificates qualifying graduates to teach business subjects in high school. For admission requirements, see **Admission to Teacher Education** and **Admission to Student Teaching** sections in the College of Education portion of this *Catalog*. Also see **Policies** and **Requirements** sections in the same portion of this *Catalog*. Students in these programs must meet the foundation core requirements as noted. Students interested in business teacher certification should consult the Chair of the Department of Management, Marketing, and Administrative Communication.

Transfer Students and Students from Other EKU Colleges

Transfer students must have completed at least 60 semester hours of course work and all the foundation courses listed above to be eligible for upper division courses. BBA program requirements for transfer students are the same as those for students enrolling initially at Eastern Kentucky University.

The Business program considers lower division credits transferred to Eastern as lower division, even if Eastern offers what appears to be a comparable course at the upper division level. However, the dean of the College of Business and Technology may accept individual courses at Eastern if the courses are validated using acceptable validation techniques. CLEP and departmental exams are examples of possible validation techniques. With specified courses in real estate and accounting, the successful completion of advanced courses in the subject field for which the transfer course is a foundation or supporting requirement is an acceptable validation method. A successfully validated lower division transfer course may not be utilized to fulfill the 43 hour upper division graduation requirement.

Certified Public Accountant (CPA)

The Kentucky legislature has mandated that students taking the CPA exam in the year 2000 and thereafter must have completed 150 semester hours. Therefore, accounting graduates seeking the CPA designation will need to complete additional undergraduate or graduate hours.

TECHNOLOGY PROGRAMS

The College of Business and Technology provides associate, baccalaureate, and masters degree programs in four departments: Agriculture, Family and Consumer Sciences, Mass Communications, and Technology. A four-year Army Reserve Officers Training Corps (ROTC) program is offered by the Department of Military Science. Students may also enroll in the Air Force ROTC program through a cooperative agreement with the Air Force ROTC Unit at the University of Kentucky. A baccalaureate degree in aviation with courses leading to Federal Aviation Administration certificates is offered through this College.

The Technology program is committed to the career-ladder concept by articulating with secondary school Tech Prep and School-To-Work programs and by providing opportunities for students enrolled in, or completing the associate (two-year) degree programs, to transfer to a corresponding baccalaureate program within the same department with little or no loss of credits.

For a detailed listing of career opportunities available in the Technology program, contact department chairpersons.

Transfer Students

Students who transfer from other institutions must earn no fewer than six hours in the area or major at Eastern Kentucky University, the exact minimum to be determined by consultation of the advisor, department chair, and dean. At least three hours of the minor must be earned at Eastern Kentucky University.

College Degree Requirements

General University requirements described in Part Three of this Catalog, as well as specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Business and Technology. See programs for major and minor requirements. Common to all programs is the Academic Orientation course (ATO 100) of the College of Business and Technology. For a complete listing of majors in the college see http// www.undergradstudies.eku.edu/majors. htm.

Department of Agriculture

Students pursuing any program of study in agriculture and horticulture must have achieved a "C" average in departmental courses to receive a degree. A maximum of 12 hours of practicum courses may be applied toward the 128 hour requirement for a B.S. degree. A maximum of eight hours of practicum courses may be applied toward the A.S. degree. Practicum courses are 301, 302, 349, and 389.

Department of Family and Consumer Sciences

Students following an area major of concentration, first or second major, minor, or associate degree program must maintain a "C" average in departmental courses (ADM, CDF, FCS, FRM, IDH, and NFA prefixes).

General Dietetics Program

A 2+2 program in dietetics provides continuity so that a student completing the two-year program may continue into the four-year program, provided the student meets academic requirements. Students in the dietetic programs (two- and four-year) take the same courses during the first two years. The general dietetic program is an American Dietetic Association approved program and features early exposure to professional dietetic courses. To be granted a degree in the General Dietetics Program the student must: (1) have no grade in NFA courses less than a "C"; (2) have a minimum overall grade point average of 2.5 on a 4.0 scale.

Nutrition Care Management Program

Nutrition Care Management is an Associate of Science degree option of dietetic technology. The curriculum integrates components of nutrition care, preparing graduates to work under the supervision of registered dietitians. Students enrolled in Nutrition Care Management must have no grade in a NFA course less than a "C".

Department of Mass Communications

The Department of Mass Communications offers four-year Bachelor of Arts degree programs in three areas:

Broadcasting and Electronic Media; Journalism; and Public Relations.

Graduates of the Broadcasting and Electronic Media program pursue careers in the broadcasting industry, as well as in cable companies, industrial and corporate video facilities, advertising agencies and production houses.

Graduates of the Journalism program find jobs with newspapers, newsletters, magazines, businesses governmental public information offices, and advertising firms.

Graduates of the Public Relations program pursue careers with corporations, non-profit organizations, education, government and public relations agencies. Activities include writing and producing newsletters, media releases and speeches and planning events.

The department also offers minors in Advertising, Broadcast News, Broadcasting and Electronic Media, Journalism, Public Relations and Visual Media.

Three student media productions are supervised by the department: the student newspaper, The Eastern Progress; a campus radio station, WXII; and a television news show, Madison County Cable News. Majors and non-majors can receive academic credit for work on some productions.

Some courses may require special skills and equipment. These may include the ability to keystroke a minimum of 25 words per minute; the availability of a portable tape recorder; the availability of a 35mm camera. Instructors will notify students of these requirements at the first class meeting.

Students may earn up to 16 credit hours toward their degree by enrolling in practicum and co-op education courses. Students majoring or minoring in the Department of Mass Communications are required to attain a minimum grade of C- in all courses for a major or minor and a 2.33 or better average in all courses required for the major or minor.

Department of Military Science (Army ROTC)

Eastern Kentucky University's Army ROTC Department commissions the future officer leaders of the United States Army. This is accomplished by providing a means for college students to pursue an Army commission as a second lieutenant while achieving their academic goals in their chosen field of study. Any student may enroll in the first two years (MIL 100-200 level courses) of Army ROTC without obligation to the military. These students gain an appreciation of the roles and missions of our national defense structure. These courses also count as restricted elective credit, applicable to any major at Eastern. Students with future employment goals that require leadership or managerial skills, those with an interest in our national defense structure, or those who wish to explore the benefits of a career in the U.S. Army Reserves, National Guard, or active federal service are encouraged to take the introductory courses. Students who desire to receive a commission must contract to complete the advanced courses (MIL 300-400 level courses) and ROTC Advanced Camp before commissioning.

A two-hour leadership lab is held each week and is required for all students in MIL 203, 301, 302, 401, and 402. A 60 minute physical training lab is held three times a week for all scholarship students and MIL 300 and MIL 400 level courses. Uniforms are issued for all lab participants. A $150.00 tax free monthly allowance is paid to all scholarship students and contracted students in MIL 300 and 400 level courses.

A complete military science program is four years in length and is designed to supplement and complement any regular baccalaureate degree program. Successful completion of the advanced military science program qualifies a student for a commission as a second lieutenant in one of the 17 accession branches in the U.S. Army. Entrance into other non-accession branches may occur after additional schooling.

Students desiring to enter the U.S. Army on active duty after completing ROTC must request it through the Professor of Military Science. Competition for active duty is keen. Students who desire to be commissioned in the Army Reserves or National Guard may sign a guaranteed reserve forces duty contract.

Advanced Placement Credit

U. S. military veterans and Reservist, or National Guard personnel who have completed active duty basic training, or academic sophomores who have completed MIL 210 (six-week Army ROTC Basic at Fort Knox, KY) may qualify for entry into the program at the advanced level. Interested students must be pursuing a four-year degree or a graduate degree, have four full semesters of degree work remaining at time of entry into the advanced program, and meet all other requirements for commissioned service.

Students with prior Junior ROTC instruction can receive credits toward the basic course if approved by the Professor of Military Science.

Scholarships

Army ROTC scholarships are available to all qualified students enrolled at Eastern Kentucky University. These scholarships provide full tuition, an allowance for books and fees each semester, and a nontaxable subsistence allowance of $150.00 per month for up to ten months each year the scholarship is in force. Scholarships are awarded on a competitive basis for two, three and four years. Selections are made at EKU and verified by Cadet command.

Students are eligible for the ROTC scholarship if they meet the following requirements:

a. A citizen of the United States
b. At least 17 years old before scholarship is effective
c. Have a minimum 850 SAT or composite 19 ACT (3 or 4 year only)
d. Have good high school grades (3 and 4-year only)
e. Have participated in leadership, extracurricular and athletic activities. (A part-time job earns substitute credit.)
f. Pursuing an Army approved academic major
g. Meet required physical standards
h. Agree to accept a commission in the U. S. Army
I. Be under age 27 on June 30 of the year you expect to graduate. (Qualified veterans may be granted an age extension of up to four years.)
j. Be a high school graduate or have equivalent credit
k. Meet the required cumulative grade point average in all academic courses — 2 or 3 year only
l. Be recommended by the Professor of Military Science — 2 or 3 year only

Applicants interested in applying for a four-year scholarship are eligible if they are ready to begin college as a full-time freshman, have no prior college experience and meet

the above requirements. Applicants will be evaluated on the basis of the whole person concept. Applications for these scholarships must be submitted no later than December 15th of the year preceding your freshman year. The financial well being of the guardians is not a factor in any ROTC scholarships.

Specific questions should be forwarded to Professor of Military Science, Eastern Kentucky University, 524 Begley, Richmond, Kentucky 40475-3105.

Air Force Reserve Officers' Training Corps (Air Force ROTC)

Air Force Reserve Officers' Training Corps provides a means for college students to pursue an Air Force commission as an active duty second lieutenant while achieving their academic goals in their chosen field of study. AFROTC provides the Air Force with civilian educated officers and provides students with well-paying, challenging positions after graduating from college. Air Force ROTC improves and strengthens the qualities of decision-making, responsibility, and maturity in its students and helps them to develop leadership ability.

Commission and Active Duty Requirements

All students who successfully complete the professional officer course, usually taken during the junior and senior years, and a summer field training course, will be commissioned as second lieutenants in the active duty United States Air Force. A leadership laboratory is also a requirement to becoming commissioned and is open to students who are members of the Reserve Officer Training Corps or who are eligible to pursue a commission as determined by the Professor of Aerospace Studies. Students incur a service commitment ranging from four to eight years, depending on the specific program qualifications; although, most are only committed for four years.

Admission to the Program

The two major phases of the curriculum are the General Military Course (GMC) and the Professional Officer Course (POC). The GMC generally is taken during the first two years of college. It covers two main themes — the contemporary Air Force and its organization and the development and history of air power. The GMC is open to all students and those enrolled in this program incur no military obligation unless the student is on scholarship beginning the first day of the sophomore year. A leadership seminar is also offered during each semester. During these sessions cadets learn Air Force customs and courtesies, proper wear of the uniform, and the fundamentals of Air Force drill and ceremonies. The academic course is taught on-campus at Eastern Kentucky University and the leadership seminar is available at the University of Kentucky. Students initially registering for the GMC should sign up for these classes in the same manner they register for other college courses. Normally, students will enroll in both the academic class and leadership seminar.

The last two years, called the Professional Officer Course (POC), is normally taken during the junior and senior years of college. The POC curriculum covers Air Force management leadership, U.S. defense policy, and military law. A basic requirement for entrance into the POC is for the applicant to have two academic years remaining at either the undergraduate or graduate level or a combination of both. Prior enrollment in the GMC is not required for a student to enroll in the POC but students must have completed the summer field training program. Entrance into the POC is competitive. Any student wishing to apply should contact the Professor of Aerospace Studies, University of Kentucky, Lexington, KY 40506-0028, (606) 257-7115 as early as possible, but no later than December of their sophomore year in college or the year they desire to compete. Applicants for the POC attend a four or six week field training session during the summer preceding entry into the POC. Cadets receive travel pay to and from field training and are paid for the time spent there.

Scholarships

Scholarships are available to those qualified and selected students who enroll in the Air Force ROTC cadet program. These scholarships cover tuition and laboratory fees, provide an allowance for books, and provide a nontaxable subsistence allowance of $150 per month. High school students are eligible for four-year Air Force ROTC scholarships. Applicants for four-year scholarships are evaluated on the basis of: the American College Test (ACT), must have at least a composite score of 24 with at least scores of 21 in Math and Verbal; or the Scholastic Aptitude Test (SAT), must score at least a 1000 with at least scores of 500 in Math and 450 in Verbal; high school academic record; class ranking; extracurricular and athletic activities; personal interview; and ability to qualify on an Air Force medical examination.

Two and three year scholarships are also awarded to cadets in the Air Force ROTC program on a competitive basis and initial selection is made on campus by a board composed of Air Force ROTC officers. Final selection is made by a central selection board at the Air Force ROTC headquarters. Applicants for these scholarships should contact the Professor of Aerospace Studies on campus. There is also an Express Scholarship Program designed to attract minority students and students majoring in academic areas critical to the Air Force such as: Electrical Engineer, Physics, Computer Science, Math, and Nursing. The Express Scholarship Program awards two and three year scholarships and the academic majors are updated annually.

Furthermore, there is a one year scholarship program available to individuals pursuing a degree in a field in which the Air Force has a shortage such as Nursing. Students complete the Professional Officer Course in 12 to 15 months. Critical areas are updated every year, so call (606) 257-7115 for more information.

Two-Year Program

Qualified students attending EKU or transfer students from other institutions who did not enroll in the first two years of Air Force ROTC may receive a commission through the Two-Year Program. Those accepted receive a non taxable subsistence of $150 a month and may qualify for an additional $1000 per semester. The basic requirement to enter this program is that the student have two academic years remaining, either at the undergraduate or graduate level. Selection is competitive. Interested students should contact the Professor of Aerospace Studies early in their sophomore year.

Department of Technology

Manufacturing Technology Program

Prior to enrolling in the last 60 hours of the degree program students must complete MFG 101, 138, 201, 202, TEC 161, 190, MAT 108, PHY 131; PHY 132 or CHE 101; and STA 270 and have an overall 2.0 GPA and 2.25 major GPA. Graduates must have an overall GPA of 2.25 in the major with no major grade below a "C." Transfer students will be treated on an individual basis. The Manufacturing Technology Program is accredited by the National Association of Industrial Technology.

Minors

Minor in Advertising
Department of Mass Communications

Requirements ..... 21 hours

Courses required for a minor in advertising are COM 320, 325, 425, 471, MKT 300, 320, and COM 490 or MKT 426. Three hours of COM/MKT courses taken to fulfill requirements for another major may be counted toward the advertising minor.

Minor in Aerospace Studies
Department of Air Force Reserve Officers' Training Corps

Requirements ..... 19 hours

AFS 311, 312, 313, 314, 411, 412, 413, 414, and three hours of an elective approved by the Dean of the College of Business and Technology and the Professor of Aerospace Studies.

Minor in Agriculture
Department of Agriculture

Requirements ..... 18 hours

A minor consists of 18 hours of agriculture classes arranged between the department chair and the student seeking the minor. The objective is to meet the student's need for a minor. Six or more hours shall be upper division courses and a minimum of six hours are to be taken at Eastern. Courses counted toward a horticulture major may not be counted toward a minor. Transfer classes are to be evaluated by the Department Chair.

Minor in Architectural Drafting Technology
Department of Technology

Requirements ..... 21 hours

CON 202, 324, MFG 195; TEC 194 or CON 294; TEC 394, 491, and 496. No more than nine hours of courses taken for a major may be counted toward this minor.

Minor in Aviation (Flight)
Aviation Program

Requirements ..... 21 hours

A student may minor in aviation (flight) by completing a minimum of 21 semester hours as follows: AVN 150, 192, 192A, 193A, 201A, 202A, 203A, 204A, 220, 220A, 300; 315; GEO 215. No more than 12 hours of core courses taken for the aviation (administration option) major may be counted toward the minor in aviation (flight).

Minor in Aviation Administration
Aviation Program

Requirements ..... 21 hours

A student may minor in aviation administration by completing a minimum of 21 semester hours as follows: AVN 150 or 192, 315, 340, 350, 410, 460, and three hours of approved electives. No more than 12 hours of core courses taken for the aviation major may be counted toward the minor in aviation administration.

Minor in Broadcast News
Department of Mass Communications

Requirements ..... 21 hours

Courses required for a minor in broadcast news are BEM 240, 295, 395, 401, 402, COM 201, and three hours from BEM 415, 425, COM 301, 405; JOU 325, or 401. Courses counted toward the major may not be counted toward the minor in broadcast news. Substitute courses will be selected by the student and the departmental advisor.

Minor in Broadcasting and Electronic Media
Department of Mass Communications

Requirements ..... 18 hours

Courses required for a minor in broadcasting and electronic media are BEM 225, 300; COM 201 or BEM 375; six hours in production courses (240, 295, 370, 395), and three hours of BEM electives. Courses counted toward a major may not be counted toward the minor in broadcasting and electronic media. Substitute courses will be selected by the student and the departmental advisor.

Minor in Business

The business minor is offered for students in programs other than in Business. It consists of 21 hours including six hours of required courses, nine hours of supporting courses, and six hours of electives. The required courses must be successfully completed prior to enrolling in any supporting or elective courses. Students minoring in business must earn at least 12 hours of the total hours used for the minor in residence at EKU and attain a cumulative GPA of 2.0 in all courses comprising the minor.

Required Courses ..... 6 hours

ACC 201 and ECO 230.

Supporting Courses ..... 9 hours

Three courses from the following: ACC 202; ACS 201 or

300; CIS 212; ECO 231; FIN 300; GBU 204; MGT 300; MKT 300; QMB 200.

Electives ..... 6 hours
Six semester hours of upper division business courses for which prerequisites have been met.

Total Requirements ..... 21 hours

Minor in Computer Electronic Publishing
Department of Technology

Requirements ..... 18 hours
MFG 211, 217, 316, 317, 319, and TEC 313. No more than nine hours of courses taken for a major may be counted toward this minor.

Minor in Computer Electronics Technology
Department of Technology

Requirements ..... 18 hours
EET 252, 253, 254, 354, 302 and 303. No more than nine hours of courses taken for a major may be counted toward this minor.

Minor in Computer Information Systems
Computer Information Systems Program

A minor in computer information systems is offered for students in programs other than in Business. The minor consists of 18 hours of computer information systems courses including CIS 250, 355, 380, 435, and six hours of upper division computer information systems courses or approved upper-division equivalent computer courses. At least 12 hours of the minor must be earned at EKU. Students pursuing the computer information systems minor must maintain a 2.25 GPA on all work counting toward the minor.

Minor in Construction Technology
Department of Technology

Requirements ..... 21 hours
CON 121, 201, 202, 294, 323, 324, and 421. No more than nine hours of courses taken for a major may be counted toward this minor.

Minor in Economics
Department of Economics through the College of Arts and Sciences

A minor in economics is available to students in any college and requires completion of the following courses with a minimum grade of "C" in each course and with at least nine of the upper division hours earned at EKU: ECO 230, 231, 350, 351, and six hours of upper division courses in economics.

Minors in Family and Consumer Sciences
Department of Family and Consumer Sciences

Minor in Child and Family Studies ..... 18 hours
CDF 132; six hours selected from CDF 241, 244 or 342; CDF 247; and six hours CDF electives.

Minor in Design and Merchandising ..... 21 hours
ADM 100, 201, 310, 313, and 9 hours approved ADM electives.

Minor in Family and Consumer Sciences ..... 18 hours
ADM 102, CDF 132, 244, FRM 352, IDH 121, NFA 121 or 201.

Minor in Foodservice Administration ..... 18 hours
NFA 121, 201, and 12 hours selected from NFA 321, 323, 325, 326, 344, or 445.

Minor in Interior Design ..... 18 hours
IDH 121, 224, 229, 320, 328, and select 3 hours from ADM 302 or an IDH elective.

Minor in Nutrition ..... 18 hours
NFA 121, 201, and 12 hours selected from NFA 301, 302, 317, 402, 403, 411, 412, 501, 505, 507, or 509.

Minor in Health Care Administration
Accounting Program

As a prerequisite for admission to the minor, students must currently be majoring in or must have completed a degree in a health-related program. The minor consists of 18 hours of course work. The minor requires completion of the following six courses with a grade of "C" or better in each course: ACC 201, CIS 212, ECO 230, MGT 300, HCA 370, HCA 375. The three upper division courses must be completed at EKU.

Minor in Horticulture
Department of Agriculture

Requirements ..... 18 hours
A minor consist of 18 hours of ornamental horticulture classes arranged between the department chair and the student seeking the minor. The objective is to meet the student's need for a minor. Six or more hours shall be upper division courses and a minimum of six hours are to be taken at Eastern. Courses counted toward an agriculture major may not be counted toward a minor. Transfer classes are to be evaluated by the Department Chair.

Minor in Journalism
Department of Mass Communications

Requirements ..... 18 hours
Courses required for a minor in journalism are COM 200, 201, 301, JOU 305, 310, and three hours from JOU 307, 325, or 401. Courses counted toward a major may not be counted toward the minor in journalism.

Minor in Managerial Communication
(for business majors only)
Administrative Communication and Services Program

The managerial communication minor is offered for business (BBA) majors who want to increase their communication effectiveness in their major field of study. The minor is designed to provide training in interpersonal communication, oral and written presentations, research and reporting, and production of other business publications/ communications. These skills are transferrable to any profession and are crucial in tasks such as communicating

organizational change, establishing and implementing goals, communicating internally, relating to employees, dealing with the public, and addressing the media. The managerial communication minor consists of the following courses (18 hours) with 50 percent (nine hours) taken in residence at EKU: ACS 201 or 300 (whichever has not been completed as part of the business core); ACS 200, ACS 250 or CIS 212, ACS 302, 450, and PUB 375. Courses taken toward a major may not be counted toward the minor in managerial communication. Substitute courses must be approved by the department chair.

Minor in Manufacturing Technology
Department of Technology

Requirements ..... 21 hours

TEC 190, MFG 138, 201, 202+, 308, and six hours of MFG upper division electives. No more than nine hours of courses taken for a major may be counted toward this minor. +STA 270, Gen. Ed. 03, is a prerequisite for MFG 202.

Minor in Military Science
Department of Military Science (ARMY ROTC)

Requirements ..... 24 hours

A student may minor in military science by completing 18 hours of advanced military science (MIL 301, 302, 401, 402, and 410) and six hours of electives approved by the Professor of Military Science.

Minor in Office Administration
Administrative Communication and Services Program

An office administration minor is available to students in any college and consists of the following courses (18 hours) with 50 percent (nine hours) taken in residence at EKU: ACS 200, 201 or 300, 250 or CIS 212, 290 or CIS 230, 302, and 303. Courses taken toward a major may not be counted toward the minor in office administration.

Minor in Public Relations
Department of Mass Communications

Requirements ..... 18 hours

Courses required for a minor in public relations are COM 200, 201; BEM 375; PUB 375, 380, and 475. Courses counted toward a major may not be counted toward the minor in public relations. Substitute courses will be selected by the student and the departmental advisor.

Minor in Quality Assurance Technology
Department of Technology

Requirements ..... 18 hours

STA 270, MFG 202, 332, 336, 506, and 530. No more than nine hours of courses taken for a major may be counted toward this minor.

Minor in Real Estate
Real Estate Program

The 21-hour real estate minor for non-business majors includes six hours of required business courses, 12 hours of required real estate courses, and three hours of real estate electives. The required business courses must be completed with a grade of "C" or better prior to enrolling in any required real estate or real estate elective course. Students minoring in real estate must earn at least 12 hours of the total hours used for the minor in residence at EKU and maintain a cumulative GPA of 2.25 in all courses comprising the minor.

Required Business Courses ..... 6 hours
ACC 201 and ECO 231.
Required Real Estate Courses ..... 12 hours
RST 310, 320, 325, and 330.
Real Estate Electives ..... 3 hours
Any three hour upper division RST elective course for which prerequisites have been met.

Minor in Soils
Department of Agriculture

Requirements ..... 19 hours

A core of courses consisting of 19 hours may be taken for a minor in soils. Courses are AGR 130, 131, 215, 315, 317, 318, 340, and AGR 416. At least 6 hours must be taken at Eastern. Transfer classes are to be evaluated by the Department Chair. No more than 9 hours of course work taken toward a major may be counted toward the soils minor.

Minor in Visual Media
Department of Mass Communications

Requirements ..... 18 hours

Courses required for a minor in visual media are COM 320, 325, JOU 325, BEM 295, 395, and MFG 211. Courses counted toward a major may not be counted toward the minor in visual media. Substitute courses will be selected by the student and the departmental advisor.

Pre-Professional Curricula

Pre-Veterinary Medicine
Department of Agriculture

The Eastern Kentucky University program in pre-veterinary medicine is administered by the Department of Agriculture. Although Kentucky does not have a school of veterinary medicine, the state participates as a member of the Southern Regional Educational Board plan under which legal Kentucky residents attend Auburn University School of Veterinary Medicine or Tuskegee Institute School of Veterinary Medicine. The program is funded by an appropriation of the General Assembly to the Kentucky Council on Post-Secondary Education.

A limited number of students who are legal residents of Kentucky and have completed pre-veterinary requirements are selected by Auburn (34 positions) or Tuskegee Institute (two positions) each year to enter professional training in veterinary medicine at the respective schools. Students enter

the four-year program of the veterinary school at the beginning of the fall term and are approved for succeeding years so long as normal progress is made toward the degree in veterinary medicine. These students are exempt from out-of-state tuition at Auburn. Selection is on a competitive basis with the final selection being made by a committee composed of faculty members from each of the respective schools.

Each of the two veterinary schools have similar entrance requirements and each requires a minimum grade point average of 2.5 on a 4.0 scale. Tuskegee requires the VAT and Auburn requires the GRE examination. Students should work closely with the pre-vet advisor concerning their program and should have a grade point average of 3.5 to be competitive.

All course work must be completed by June 15 prior to fall admission to the school of veterinary medicine. A grade of "D" in any required course is not accepted. Substitution of courses must be approved by the veterinary school to which application is to be made. All course requirements must be met and courses in organic chemistry and physics must have been completed within six years of entry into the School of Veterinary Medicine.

Application to Auburn under the Kentucky program is made beginning in the fall of the year preceding that of admission. Students may apply through the Pre-Vet advisor or through the Veterinary Medical College Application Service (VMCAS). The VMCAS deadline is October 1. Students should follow application instructions regarding updating of their transcripts and course work at the school to which they apply. Students should work closely with the pre-veterinary advisor in making certain that all requirements are met. There are some specific alternatives depending on a student's background.

A pre-vet student at Eastern has the following alternatives while proceeding through the program of study:

1. Complete the pre-vet curriculum in three years and apply for admission into a school of veterinary medicine. Students may receive a B.S. degree from Eastern by transferring credits from the first year of veterinary school back to Eastern and by completing all general education/University requirements.
2. Earn a B.S. degree at Eastern with an agriculture, biology, chemistry, or other appropriate major during the fourth year while completing the pre-veterinary curriculum.
3. At any time, change from the pre-veterinary curriculum to the above majors and graduate with a B.S. degree with no loss of credit.

Students are expected to gain practical large animal experience during the course of pre-vet study, either on the University farm or with a D.V.M. The pre-vet advisor can assist in arranging for this experience.

Requirements at Auburn for Students without a Bachelors Degree

The following curriculum may be completed in three years after which the student is then eligible to apply for admission to Auburn or Tuskegee.

ATO 100, AGR 125, 126, 321, 372A, 421, BIO 141, 211, CHE 111, 112, 361, 362, 366, 367, ENG 101, 102 (or 105 or HON 105), ENG 211, 212, Category 7 (ART or MUS), Category 08, 09, 10, 11, and 12 (including one history course), MAT 261, PHY 131 and 132. Plus three additional credit hours of science electives. Refer to Part three of this *Catalog* for details on the General Education and University Requirements.

Total Curriculum Requirements ..... 98 hours

Requirements at Auburn for Students with a Bachelors Degree

AGR 421	3
AGR 372A	1
BIO 141	4
BIO 211	4
CHE 111	4
CHE 112	5
CHE 361	4
CHE 366	1
CHE 362	4
CHE 367	1
PHY 131	5
PHY 132	5
Science Electives	6

****Recommended Science Electives for Auburn:**

AGR 321	3
AGR 373	3
AGR 374	3
AGR 375	3
BIO 315	4
BIO 320	4
BIO 348	4

Students Not Accepted at Auburn After Their Junior Year

These students may continue for a Bachelors Degree. Because of the courses in The Pre-Vet Curriculum most students continue their studies in either Agriculture, Biology or Chemistry, although a degree in any major is possible. Students who do not get into Auburn after their Junior year may reapply.

Because of the large number of applications and limited number of acceptances the student should choose a secondary career goal.

Suggested Curriculum Guides begin on page 119.

Associate Degrees

CHILD CARE (A.S.)

Department of Family and Consumer Sciences

CIP Code: 20.0202

Major Requirements ..... 33 hours
CDF 132, 241, 244, 247, 248, 344, 345, 346, and 350, NFA 317.

Supporting Course Requirements ..... 32 hours
ATO 100; BIO 300* or 317*; CSC 104 or CIS 212, SED 104, SPE 100*, six hours of English composition*, six hours of general education social science* (three hours from course categories 09 and three hours from 10 or 11), three hours general education humanities*, and four hours restricted electives.

Total Curriculum Requirements ..... 65 hours

Suggested Curriculum Guides begin on page 119

COMPUTER AIDED DRAFTING (A.S.)
Department of Technology
CIP Code: 48.0101

Major Requirements ..... 36 hours
TEC 161, 190, 391, MFG 138, 192, 195, 201, 330, 383, 390, 392, and 397.
Supporting Course Requirements ..... 31 hours
ATO 100, ECO 230, six hours of English Composition, CSC 177, MAT 107, 108, PHY 131, three hours of General Education humanities, and four hours restricted electives.
Total Curriculum Requirements ..... 67 hours

Students must take a computer aided drafting assessment examination before graduation.

Suggested Curriculum Guides begin on page 119.

COMPUTER ELECTRONIC PUBLISHING (A.S.)
Department of Technology
CIP Code: 48.0201.01

Major Requirements ..... 33 hours
ART 102, 250; EET 252, MFG 101, 211, 217, 316, 317, 319, TEC 161, 313.
Supporting Course Requirements ..... 27 hours
ACC 201, ATO 100, CHE 101, ECO 230, six hours of English Composition, MAT 107, three hours of general education humanities, and four hours restricted electives.
Free Electives ..... 4 hours
Total Curriculum Requirements ..... 64 hours

Students must take a computer electronic publishing assessment examination before graduation.

Suggested Curriculum Guides begin on page 119.

COMPUTER ELECTRONICS TECHNOLOGY (A.S.)
Department of Technology
CIP Code: 15.0402

Major Requirements ..... 36 hours
EET 251, 252, 253, 254, 257, 305, 350, 351, 354, 355, 356, and MFG 352.
Supporting Course Requirements ..... 31 hours
ATO 100, CSC 177, six hours of English Composition, MAT 107, 108, PHY 131, three hours of general education humanities, three hours of general education social science*, and four hours of restricted electives.
Total Curriculum Requirements ..... 67 hours

Students must take a computer electronics assessment examination before graduation, and complete capstone course - EET 355.

Suggested Curriculum Guides begin on page 119.

INTERIOR DESIGN ASSISTANT (A.A.)
Department of Family and Consumer Sciences
CIP Code: 20.0501

Major Requirements ..... 42 hours
IDH 121, 221, 222, 224, 229, 322, 328, 330, 331, ADM 201 and 302, CON 250; and ART 152 and 153.
Supporting Course Requirements ..... 25 hours
ART 390*, 391*, ATO 100*, six hours of English composition*, HPR 180*, 282*, MAT 106*, three hours general education social science*, and four hours restricted electives.
Total Curriculum Requirements ..... 67 hours

Suggested Curriculum Guides begin on page 119.

NUTRITION CARE MANAGEMENT (A.S.)
Department of Family and Consumer Sciences
CIP Code: 20.0404

Major Requirements ..... 27 hours
FCS 303, NFA 121, 201, 202, 302, 317, 321, 325, 326, 344, and 349 (1).
Supporting Course Requirements ..... 39 hours
ATO 100, BIO 301*, CHE 101*, 102*, six hours of English composition*, three hours general education humanities; three hours of general education social science, CIS 212, or CSC 104; HEA 281, MGT 300, PSY 202; and four hours restricted electives.
Total Curriculum Requirements ..... 66 hours

Suggested Curriculum Guides begin on page 119.

OFFICE SYSTEMS/TECHNOLOGIES (A. A.)
Administrative Communication and Services Program
CIP Code: 52.0401

Major Requirements ..... 33 hours
ACS 101, 107, 200, 201, CIS 212 or ACS 250, CIS 230 or ACS 290, 254, 280, 300, 302, and 303.
Supporting Course Requirements ..... 32 hours
CBO 100, ACC 201, GBU 204; ECO 230 or 231, six hours of English composition, SPE 100, three hours general education humanities, three hours general education natural science or MAT 107, four hours of restricted electives, and three hours of ACC 202, ACS 349, ECO 230 or 231.
Total Curriculum Requirements ..... 65 hours

Suggested Curriculum Guides begin on page 119.

QUALITY ASSURANCE TECHNOLOGY (A.S.)
Department of Technology
CIP Code: 15.0702

Major Requirements ..... 33 hours
EET 252, TEC 161, 190, MFG 101, 138, 201, 202, 301, 330, 332, 336.
Supporting Course Requirements ..... 31 hours
ATO 100, six hours of English Composition, MAT 107, 108, PHY 131, STA 270, three hours of general education humanities, three hours of general education social science, and four hours restricted electives.
Total Curriculum Requirements ..... 64 hours

Students must take a quality assurance assessment examination before graduation.

Suggested Curriculum Guides begin on page 119.

TECHNICAL AGRICULTURE (A.S.)
Department of Agriculture
CIP Code: 01.9999.01

Major Requirements ..... 43 hours
Core ..... 31 hours
AGR 130 & 131 or OHO 131 & 132, AGR 210, 213, 215, 304, 308; 6 hours of practicum; 5 hours departmental electives, and one of the following options:
Agricultural Systems Management ..... 12 hours
AGR 272, 301, 362, 381 and 383.
Dairy Herd Management ..... 12 hours
AGR 125, 321 and 380, and AGR 126.
Floriculture/Greenhouse Management ..... 12 hours
OHO 362E, 364, 388, 389; 384 or 385.
Landscape Horticulture ..... 12 hours
OHO 261, 262; 370 or 391; 371 or 372.
Livestock Management ..... 12 hours
AGR 125, 126, 321; 327 or 328.
Turf Management ..... 12 hours
AGR 362, OHO 301 (1), 351, 352 and 370.
Supporting Course Requirements ..... 21 hours
ATO 100, six hours of English composition*, three hours of general education humanities*, three hours of general education social science*, three hours of general education natural science*, one hour of general education elective*, and four hours of restricted electives.
Total Curriculum Requirements ..... 64 hours

Suggested Curriculum Guides begin on page 119.

VOCATIONAL-INDUSTRIAL AND TECHNICAL EDUCATION/(TEACHING) (A.S.)
Department of Technology
CIP Code: 13.1319

Enrollment in this program is restricted to in-service vocational-industrial teachers and graduates of a Kentucky State Vocational Technical School post-secondary program.

Major Requirements ..... 24 hours
TEC 161 and 21 hours chosen from the technical area, or related to the area, in which the individual proposes to teach, as approved by the advisor. Graduates of this program must have a minimum of 4,000 hours of supervised work experience or four years of occupational experience in the area to be taught. Nine hours maximum may be allowed by proficiency examination (VIT 204, 205, and 206). Nine hours may be supervised work experience (TEC 349).
Supporting Course Requirements ..... 42 hours
ATO 100, six hours of English Composition, TTE 261, VIT 264, 364, 463**[12], three hours of general education mathematics, three hours of general education humanities, three hours of general education social science, and four hours restricted electives and one hour of general education elective.
Total Curriculum Requirements ..... 66 hours

**In-service teachers should substitute VIT 363, 463 (4), three hours of professional elective, and SED 388 or EPY 320 for VIT 463 (12). Students must take a professional vocational industrial education assessment examination and the Teacher Occupational Competency Test (TOCT) before graduation.

Suggested Curriculum Guides begin on page 119.

Baccaluareate Degrees

ACCOUNTING (B.B.A)
Accounting Program
CIP Code: 52.0301

Major Requirements ..... 28 hours
ACC 250, 301, 302, 322, 327, 350, 425, 441, and six elective hours, three hours must be chosen from: ACC 323, 401, 442, 521, 527 or 540. The remaining three hours may be selected from the aforementioned list or a non-accounting course approved by advisor, or ACC 349.
Business Core ..... 45 hours
Supporting Course Requirements ..... 6 hours
MAT 107 or 211; and SOC 131.
General Education Requirements ..... 45 hours
Standard General Education program, excluding general education course categories 09 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 4 hours
CBO 100 and three hours of restricted electives.
Total Curriculum Requirements ..... 128 hours

Suggested Curriculum Guides begin on page 119.

ADMINISTRATIVE COMMUNICATION AND SERVICES (B.B.A)
Administrative Communication and Services Program
CIP Code: 52.0204

Major Requirements ..... 24 hours
Administrative Communication and Services Core ..... 9 hours
ACS 200, 201, and 302.
Options:
Administrative Services ..... 15 hours
ACS 107, ACS 250 or CIS 212, ACS 290 or CIS 230, ACS 303, and 349.
Managerial Communication ..... 15 hours
ACS 250 or CIS 212, ACS 450, SPE 300, PUB 375, and 380.
Business Core ..... 45 hours
Supporting Course Requirements ..... 9 hours
Administrative Services
ACS 254; MAT 107 or 211; and SOC 131.
Managerial Communication
SPE 100; MAT 107 or 211; and SOC 131.
General Education Requirements ..... 45 hours
Standard General Education program, excluding general education course categories 09 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University Requirements.

University Requirements ..... **4 hours**
CBO 100 and three hours of restricted electives.
Free Elective ..... **1 hour**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 119.

AGRICULTURE WITH MINOR IN BUSINESS** (B.S.)
Department of Agriculture
CIP Code: 01.0301

Major Requirements ..... **52 hours**
AGR 125, 126, 130, 131, 210, 213, 215, 304, 308, 310 or 350, 411; four hours from AGR 301, 302, or 349; 20 hours in AGR and/or OHO upper division electives with a maximum to eight hours in any option area.
Minor Requirements ..... **21 hours**
Supporting Course Requirements ..... **8 hours**
BIO 131 or 141; and CHE 101.
General Education Requirements ..... **37 hours**
Standard General Education program, excluding course categories 09, 12, 13, and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ..... **4 hours**
ATO 100 and three hours of restricted electives.
Free Electives ..... **6 hours**
Total Curriculum Requirements ..... **128 hours**

**Minor in other fields may be substituted if approved by department chair and Dean of the College of Business and Technology. Students completing requirements in the Pre-Veterinary Medicine Program with a minor in chemistry will be designated Agriculture/Pre-Veterinary majors.

Suggested Curriculum Guides begin on page 119.

AGRICULTURE (B.S.) AREA MAJOR
Department of Agriculture
CIP Code: 01.0301

Major Requirements ..... **58-62 hours**
Core ..... **44 hours**
AGR 125, 126, 130, 131, 210, 213, 215, 304, 308, 310 or 350, 411; four hours from AGR 301, 302, or 349; 12 hours of upper division AGR and/or OHO electives; and one of the following options:
Agribusiness Management: ..... **15 hours**
AGR 315, 321, 381, 409, and 440.
Agriculture Systems Management: ..... **14 hours**
AGR 272, 318, 362, 381, and 383.
Agronomy and Natural Resources: ..... **15 hours**
AGR 312 or 345; 315, 321, 340, and 416.
Dairy Herd Management: ..... **14 hours**
AGR 225, 321, 375, and 380 (4).
Livestock Production: ..... **18 hours**
AGR 225, 321, 327, 328, and 409.
Soils: ..... **16 hours**
AGR 312 or 345; 315, 317, 318, 340, and 416.
(Vo-Ag Preparation):
Kentucky Vocational Agriculture Certification requires a minimum of 50 hours in AGR and/or OHO courses to include: soils, six hours; agriculture systems management, six hours; animal science, six hours; plant science, six hours; farm management, six hours; pre-student teaching clinical and field experience, 75 hours. Students should check with Vo-Ag advisor regarding current education course requirements.
(Vo-Ag Certification):
Vo-Ag certification requires the student to complete the professional and student teaching component.
Supporting Course Requirements ..... **17 hours**
ACC 201, BIO 131 or 141; CHE 101, ECO 230 and CIS 212 or ACS 201 or CSC104.
General Education Requirements ..... **37 hours**
Standard General Education program, excluding course categories 03, 09, 13 and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ..... **4 hours**
ATO 100 and three hours of restricted electives.
Free Electives ..... **8 - 12 hours**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 119.

APPAREL DESIGN AND MERCHANDISING (B.S.)
AREA MAJOR
Department of Family and Consumer Sciences
CIP Code: 08.0102

Major Requirements ..... **42-45 hours**
Design and Merchandising Core ..... **29 hours**
ADM 100, 201, 222, 301, 310, 313, 339, 349(2), 413, FRM 352.
Options ..... **15-16 hours**
Design ..... **15 hours**
ADM 102, 203, 312, 411, 412.
Merchandising ..... **16 hours**
ADM 319, 414 (10), 510.
Supporting Course Requirements ..... **16-22 hours**
Design ..... **16 hours**
CHE 101, ART 100, 101; and THE 220, 320; OR MFG 101, MFG 308.
Merchandising ..... **19-22 hours**
CHE 101, ACC 201, ECO 230; and COM 301, 320, 425; OR BEM 375, PUB 375, 380, COM 201; OR 9 hours from MGT 300, 330, 480, MKT 300, 310, 315, 320.
General Education Requirements ..... **47 hours**
Standard General Education program, excluding course category 14. Refer to Part Three of this Catalog for details on the General Education and University Requirements.
University Requirements ..... **4 hours**
ATO 100 and three hours of restricted electives.
Free Electives ..... **9-19 hours**
Total Curriculum Requirements ..... **128 hours**

**ADM 349—two hours at sophomore level.

Suggested Curriculum Guides begin on page 119.

AVIATION (B.S.) AREA MAJOR
Aviation Program
CIP Code: 49.0102

Major Requirements ..... **49 hours**
- **Aviation Core** ..... **31 hours**
  AVN 150, 192, 192A, 193A, 220, 315, 325, 350, 410, 425, 460; GEO 215. Majors must also select an option in professional flight or aviation administration
- **Options:**
  - **Professional Flight** ..... **18 hours**
    AVN 201A, 202A, 203A, 204A, 220A, 225A, 226A, 227A, 228A, 300, 300A, 310, 310A, 320, 320A, 400, 400A.
  - **Aviation Administration** ..... **18 hours**
    AVN 340, 360, 370, 390; AVN 349 or 365; AVN 470 or 498.

Supporting Course Requirements ..... **42-44 hours**
CSC 177 or CIS 212; ECO 230, 231; MAT 107 and 108 or 109; 124 or 211; MGT 300, 480; PHY 131, 132; PSY 202; SPE 100; and STA 215.

General Education Requirements ..... **28 hours**
Standard General Education program, excluding courses categories 03, 04, 09, 12, 14, 15, 20 and 21. Refer to Part Three of the Catalog for details on the General Education and University requirements.

University Requirements ..... **4 hours**
ATO 100 and three hours of restricted electives.

Free Electives ..... **3-5 hours**

Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 119.

BROADCASTING AND ELECTRONIC MEDIA (B.A.)
Department of Mass Communications
CIP Code: 09.0701

Major Requirements ..... **40 hours**
BEM 240, 295, 300; 375, 395 or 370; 415 or COM 405; COM 200, 201, 301 and 491 (1) and 12 hours electives selected from BEM 340, 370, 401, 402, 410, 425, 440, 495, COM 300, 330, 353, 415, 420, 425, 430, 445, or 471.

Supporting Course Requirements ..... **3 hours**
3 hours of any COM elective.

General Education Requirements ..... **51 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ..... **4 hours**
ATO 100 and three hours of restricted electives.

Free Electives ..... **30 hours**

Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 119.

BUSINESS AND MARKETING EDUCATION/TEACHING (B.S.)
Administrative Communication and Services Program
CIP Code: 13.1303

Major Requirements ..... **28 hours**
ACC 201, 202, 250, ACS 200, 201, 290 or CIS 230, 303, ECO 324, MKT 300 and three hours from MKT 304, 310, 320 or 400.

Business Core ..... **24 hours**
ECO 230, 231, CIS 300, FIN 300, GBU 204, MGT 300, 340, and QMB 200.

Supporting Course Requirements ..... **3 hours**
MAT 107.

Teacher Education Requirements ..... **34 hours**
EDF 103, 203, EMG 430, EPY 319, 413, ESE 473, 498, 499 and SED 401.

General Education Requirements ..... **39 hours**
Standard General Education program, excluding general education course categories 03, 09, and 12. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **4 hours**
CBO 100 and three hours of restricted electives.

Total Curriculum Requirements ..... **132 hours**

Suggested Curriculum Guides begin on page 119.

CHILD AND FAMILY STUDIES (B.S.) AREA MAJOR
Department of Family and Consumer Sciences
CIP Code: 19.0701

Major Requirements ..... **37-48 hours**
- **Core** ..... **27 hours**
  CDF 132, 241, 244, 247, 345, NFA 317, NSC 500, OTS 515, and SWK 456.

Options ..... **12-21 hours**
- **Family Studies** ..... **21 hours**
  CDF 232 or 331; 243, 342, 441; 443 (6), 538 .
- **Child Development** ..... **21 hours**
  CDF 248, 344, 346, 350 (6), 547, 548.
- **Interdisciplinary Early Childhood** ..... **12 hours**
  CDF 248, 344, 346, 547.

Minor Requirements ..... **18 hours**
- **Family Studies** ..... **18 hours**
  Each student will complete a minor selected in consultation with the Academic Advisor.
- **Child Development** ..... **18 hours**
  Each student will complete a minor selected in consultation with the Academic Advisor.
- **Interdisciplinary Early Childhood Education** ..... **18 hours**
  (Minor in Special Education)
  SED 104, 341, 352, 360, 436, 518.

Supporting Course Requirements ..... **6-9 hours**
- **Family Studies** ..... **6 hours**
  FRM 352, CSC 104 or CIS 212.
- **Child Development** ..... **9 hours**
  CSC 104 or CIS 212, SED 104, 518.
- **Teacher Education Requirements** ..... **22 hours**
  (Interdisciplinary Early Childhood Option)
  CSC 104 or CIS 212, EDF 103, 203, ELE 519 and CDF

499(12). (Students must comply with admission to Teacher Education requirements.) (EPY 319 met with major; EPY 413 met with SED 352; SED 401 met with special education minor.)

General Education Requirements ..... 48 hours
Standard General Education Program, excluding course category 03. Refer to Part Three of this Catalog for details on the General Education and University Requirements.

University Requirements ..... 4 hours
ATO 100 and three hours of restricted electives.

Free Electives ..... 0-4 hours

Total Curriculum Requirements ..... 128-131 hours

Suggested Curriculum Guides begin on page 119.

COMPUTER ELECTRONIC NETWORKING (B.S.)
Department of Technology
CIP Code: 15.0301.01

Major Requirements ..... 45 hours
EET 251, 252, 253, 254, 257, 302, 303, 351, 352, 354, 403, 406, 440, 452; TEC 349 (three hours)

Supporting Courses ..... 46 hours
CSC 177, 190; ECO 230, MAT 107, 108, 261, MFG 202, 308, 406, 408; PHY 131, 132; STA 270; TEC 161.

General Education Requirements ..... 30 hours
Standard General Education program, excluding course categories 03, 04, 09, 14, 15, 16 and 21. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ..... 4 hours
ATO 100 and three hours of restricted electives.

Free Electives ..... 3 hours
(Cooperative Education or Upper Division Courses)

Total Curriculum Requirements ..... 128 hours

Students must take a Computer Electronic Networking exit examination before graduation.

Suggested Curriculum Guides begin on page 119.

COMPUTER INFORMATION SYSTEMS (B.B.A.)
Information Systems Program
CIP Code: 52.1201

Major Requirements ..... 21 hours
CIS 250, 355, 380, 435, 480, and six hours upper division computer information systems electives above core.

Business Core ..... 45 hours

Business Electives ..... 3 hours

Supporting Course Requirements ..... 7 hours
MAT 107 or 211; CIS 215; and SOC 131.

General Education Requirements ..... 45 hours
Standard General Education program, excluding general education course categories 09 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
CBO 100 and three hours of restricted electives.

Free Electives ..... 3 hours

Total Curriculum Requirements ..... 128 hours

Suggested Curriculum Guides begin on page 119.

CONSTRUCTION TECHNOLOGY (B.S.)
Department of Technology
CIP Code: 15.0101

Major Requirements ..... 54 hours
CON 121, 201, 202, 221, 294, 303, 307, 320, 322, 323, 324, 349+ (6), 420, 421, 423, 425, and 426.

Supporting Course Requirements ..... 40 hours
ACC 201, ECO 230, GLY 108, TEC 161; MAT 108 and MAT 261, or six hours of higher level MAT courses; MGT 300, PHY 131 and 132; and nine hours of ECO, GBU, INS, MGT, MKT, or RST electives (at least three hours must be upper division) as approved by major advisor.

General Education Requirements ..... 30 hours
Standard General Education program, excluding course categories 03, 04, 08, 09, 12, 14, 15, 16 and 21. Refer to Part Three of this Catalog for details on the General Education and University requirements.

University Requirements ..... 4 hours
ATO 100 and three hours of restricted electives.

Total Curriculum Requirements ..... 128 hours

Students must take a construction assessment examination before graduation.
+Two separate summer enrollments of 2 to 4 hours are required.

Suggested Curriculum Guides begin on page 119.

ECONOMICS (B.B.A.)
CIP Code: 52.0601

Major Requirements ..... 18 hours
ECO 320, 350, 351, 420, and six hours of approved upper division economic electives.

Business Core ..... 45 hours

Business Electives ..... 3-6 hours

Supporting Course Requirements ..... 6 hours
MAT 211 or equivalent; and SOC 131.

General Education Requirements ..... 45 hours
Standard General Education program, excluding general education course categories 09 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
CBO 100 and three hours of restricted electives.

Free Electives ..... 4-7 hours

Total Curriculum Requirements ..... 128 hours

Through the Department of Economics, the College of Arts and Sciences offers the Bachelor of Arts in Economics. See College of Arts and Sciences section.

Suggested Curriculum Guides begin on page 119.

FAMILY AND CONSUMER SCIENCES EDUCATION/(TEACHING) (B.S.)
Department of Family and Consumer Sciences
CIP Code: 13.1308

Major Requirements ..... 45 hours
CDF 132, 244; CDF 241, 331, or 342; FRM 352, 453, IDH 121, 320, NFA 121, 201, 321, ADM 102, 201; and 9 hrs. Family and Consumer Sciences Electives.

Supporting Course Requirements ..... **8 hours**
BIO 301, 378, CHE 105.
Teacher Education Requirements ..... **34 hours**
EDF 103[2], 203[2], EPY 319[4], 413[2]; SED 401; ESE 366, 453, 498 and 499.
General Education Requirements ..... **45 hours**
Standard General Education program, excluding course categories 13 and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ..... **4 hours**
ATO 100 and three hours of restricted electives.
Total Curriculum Requirements ..... **136 hours**
In addition, the student shall complete 1,000 hours in approved work experience in homemaking and family and consumer sciences related occupations for certification purposes. Successful completion of the PRAXIS Examination is required for graduation.

Suggested Curriculum Guides begin on page 119.

FINANCE (B.B.A.)
Finance Program
CIP Code: 52.0801

Major Requirements ..... **24 hours**
FIN 301, 350, and one of the following options:
Managerial Finance Option:
FIN 401, 455, ACC 301, 302, 327, 350.
General Finance Option
FIN 324, 401, 405, 420, 455 and three hours from RST 310, ECO 300, 350, 351, or 420.
Real Estate Option:
FIN 302, RST 310, 320, 330, 401, 410.
Business Core ..... **45 hours**
Supporting Course Requirements ..... **9 hours**
MAT 107 or 211; QMB 300; and SOC 131.
General Education Requirements ..... **45 hours**
Standard General Education program, excluding general education course categories 09 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
CBO 100 and three hours of restricted electives.
Free Electives ..... **1 hour**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 119.

GENERAL BUSINESS (B.B.A.)
General Business Program
CIP Code: 52.0101

Major Requirements ..... **18-21 hours**
Required courses: CIS 400 and GBU 201. Student must select one of the following options:
General Business Option ..... **18 hours**
Three hours in a 400 level Marketing Course, three hours in Finance (FIN 301, 302, 304, 324, or 330), and three hours in Management (MGT 320, 330, 406, 430, or 470), and one additional approved upper division course from any of finance, marketing, or management.
International Business Option ..... **21 hours**
MGT 430, MKT 400, FIN 330. Additional six credit hours earned from an approved international, related co-op, internship, participation in a study-abroad program, in approved upper division business courses, or in International Economics, ECO 394.
Business Electives ..... **9 hours**
General Business Option
Electives selected from upper division business courses to be determined in consultation with advisor.
Supporting Course Requirements ..... **6-12 hours**
General Business Option ..... **6 hours**
MAT 107 or 211; SOC 131.
International Business ..... **12 hours**
MAT 107 or 211; SOC 131; six hours of foreign language.
Business Core ..... **45 hours**
General Education Requirements ..... **45 hours**
Standard General Education program, excluding general education course categories 09 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
CBO 100 and three hours of restricted electives.
Free Elective ..... **1 hour**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 119.

GENERAL DIETETICS (2+2) (B.S.) AREA MAJOR
Department of Family and Consumer Sciences
CIP Code: 19.0501

Major Requirements ..... **50-51 hours**
FCS 303, FRM 352, NFA 121, 201, 202; 301 or CHE 330; NFA 302, 317, 321, 323, 325, 326, 344, 349 (1), 402, 403, 411, 412, 445, 501, and 515 (2).
Supporting Course Requirements ..... **30 hours**
BIO 273, 301; CHE 101, 102; HEA 450; CIS 212 or CSC 104; ACC 201 or 550; MGT 300, PSY 202.
General Education Requirements ..... **36 hours**
Standard General Education program, excluding course categories 04, 13, 14, 15, and 16. Refer to Part Three of this Catalog for details on the General Education and University Requirements.
University Requirements ..... **4 hours**
ATO 100 and three hours of restricted electives.
Free Electives ..... **7-8 hours**
Total Curriculum Requirements ..... **128 hours**

*To be granted a degree in the General Dietetics Program the student must: (1) have no grade in NFA courses less than a "C", (2) have a minimum overall grade point average of 2.50 on a 4.0 scale.

Suggested Curriculum Guides begin on page 119.

HEALTH CARE ADMINISTRATION (B.B.A.)
Accounting Program
CIP Code: 51.0701

Major Requirements ..... **18 hours**
ACC 300, ACS 280, ECO 570, HCA 370, 375, and MGT 320.
Business Core ..... **45 hours**
Supporting Course Requirements ..... **15 hours**
AHN 570, HEA 416, 455, MAT 107 or 211 and SOC 131.

General Education Requirements ..... **45 hours**
Standard General Education program, excluding general education course categories 09 and 21. Refer to Part Three of this *Catalog* for details on General Education and University requirements.
University Requirements ..... **4 hours**
CBO 100 and three hours of restricted electives.
Cooperative Study ..... **4 hours**
Total Curriculum Requirements ..... **131 hours**

Suggested Curriculum Guides begin on page 119.

HORTICULTURE WITH MINOR IN BUSINESS (B.S.) AREA MAJOR
Department of Agriculture
CIP Code: 01.0603

Major Requirements ..... **50 hours**
OHO 131, 132, 351, 370, 371, 372, AGR 210, 213, 215, 304, 308, 315, 411; OHO 384, 385, or 391; four hours from OHO 301, 349, and/or 389; and seven hours upper division OHO and/or AGR electives.
Minor Requirements ..... **21 hours**
Supporting Course Requirements ..... **8 hours**
BIO 131 and CHE 101.
General Education Requirements ..... **37 hours**
Standard General Education program, excluding course categories 09, 12, 13, and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ..... **4 hours**
ATO 100 and three hours of restricted electives.
Free Electives ..... **8 hours**
Total Curriculum Requirements ..... **128 hours**

**Minor in other fields may be substituted if approved by department chair and Dean of the College of Business and Technology.

Suggested Curriculum Guides begin on page 119.

HORTICULTURE (B.S.) AREA MAJOR
Department of Agriculture
CIP Code: 01.0603

Major Requirements ..... **59 hours**
Core ..... **41 hours**
OHO 131, 132, 351, AGR 210, 213, 215, 304, 308, 315, 349 (4), 409, 411; seven hours of upper division electives from AGR and/or OHO electives, and one of the following options:
Floriculture/Greenhouse Management: ..... **18 hours**
OHO 301 (1), 352, 362E, 364, 384 or 385, 388, 389, and AGR 417.
Landscape Horticulture: ..... **18 hours**
OHO 261, 262, 370, 371 or 372, 391 and 392.
Turfgrass Management ..... **18 hours**
OHO 301 (1), 352, 354, 362A, 362G, 370, 410 (2); AGR 362 and 416, and (1) hour OHO and/or AGR upper division.
Supporting Course Requirements ..... **17 hours**
BIO 131, CHE 101; ACC 201, ECO 230 and CIS 212 or ACS 201 or CSC 104.
General Education Requirements ..... **37 hours**
Standard General Education program, excluding course categories 03, 09, 13 and 14. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ..... **4 hours**
ATO 100 and three hours of restricted electives.
Free Electives ..... **11 hours**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 119.

INTERIOR DESIGN (B.A.) AREA MAJOR
Department of Family and Consumer Sciences
CIP Code: 19.0601

Major Requirements ..... **69 hours**
IDH 121, 221, 222, 224, 229, 322, 326, 327, 328, 329, 330, 331, 422, 426, 428**; CON 250, 350; TEC 331, ADM 201 and 302, ART 102, and 103.
Supporting Course Requirements ..... **10 hours**
ART 390 and 391; and four hours from the following ART 100, 101, 205, 206; JOU 325; TEC 391; OHO 362A, 362E, 362K; IDH electives.
General Education Requirements ..... **45 hours**
Standard General Education program, excluding course categories 07 and 08. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ..... **4 hours**
ATO 100 and three hours of restricted electives.
Total Curriculum Requirements ..... **128 hours**

**Students must have a minimum 2.25 GPA and a minimum 2.6 Major GPA in the major to enroll in IDH 428. Students not meeting these requirements will take other IDH electives or repeat IDH required courses to meet these criteria.

Suggested Curriculum Guides begin on page 119.

JOURNALISM (B.A.)
Department of Mass Communications
CIP Code: 09.0401

Major Requirements ..... **37 hours**
COM 200, 201, 301, and 491 (1), JOU 302 (1), 305, 310, 325, 401, 425, COM 405, and 8 hours electives from JOU 302, 307, 410, 415, 450, 480, COM 320, 330, 415, 430, or 471.
Minor Requirements ..... **18 hours**
Journalism students must complete a minor in an area outside the Department of Mass Communications.
General Education Requirements ..... **51 hours**
Standard General Education program. Refer to Part Three of this Catalog for details on General Education and University requirements.
University Requirements ..... **4 hours**
ATO 100 and three hours of restricted electives.
Free Electives ..... **18 hours**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 119.

MANAGEMENT (B.B.A.)
Management Program
CIP Code: 52.0201

Major Requirements ..... **21 hours**
MGT 320, 400, 480, and 12 hours of management electives above the core determined after consultation with management faculty advisor.
Option:
Human Resource Management
MGT 320, 400, 410, 425, 440, 445, and 480.
Business Core ..... **45 hours**
Business Electives ..... **6 hours**
Supporting Course Requirements ..... **6 hours**
MAT 107 or 211; and SOC 131.
General Education Requirements ..... **45 hours**
Standard General Education program, excluding general education course catagories 09 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
CBO 100 and three hours of restricted electives.
Free Elective ..... **1 hour**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 119.

MANUFACTURING TECHNOLOGY (B.S.) AREA MAJOR
Department of Technology
CIP Code: 15.0603

Major Requirements ..... **66 hours**
EET 252, MFG 101, 138, 201, 202, 211, 301, 308, 310; 320 or 352; 371, 406, 408, 499, TEC 161, 190, and 349; and 15 hours* in one of the following options:
Computer Aided Drafting (CAD):
MFG 192, 195, 330, 390, and 392.
Electronics:
EET 251, 257, 305, 351, and 356.
Computer Electronic Publishing:
MFG 217, 316, 317, 319, and TEC 313.
Quality Assurance:
MFG 330, 332, 336, 506 and 530.
Wood Products Manufacturing:
MFG 142, 143 (1), 242, 244 (2), 344 and 445.
Supporting Course Requirements ..... **24-25 hours**
ECO 230, 300; MAT 108, 261 or six hours of higher level MAT courses; PHY 131; PHY 132 or CHE 101; and STA 270.
General Education Requirements ..... **30 hours**
Standard General Education program, excluding course categories 03, 04, 08, 09, 12, 14, 15, 16 and 21. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ..... **4 hours**
ATO 100 and three hours of restricted electives.
Free Electives (Cooperative Education or Other Upper Division Courses) ..... **4 hours**
Total Curriculum Requirements ..... **128-129 hours**

Students must take a manufacturing assessment examination before graduation. An exam fee is required.
*Transfer students with an associate degree in a manufacturing related field may not need to take these 15 hours.

Suggested Curriculum Guides begin on page 119.

MARKETING (B.B.A.)
Marketing Program
CIP Code: 52.1401

Major Requirements ..... **24 hours**
MKT 400, 450, 455 and 15 hours of marketing electives above the core determined after consultation with marketing faculty advisor.
Business Core ..... **45 hours**
Business Electives ..... **3 hours**
Supporting Course Requirements ..... **6 hours**
MAT 107 or 211; and SOC 131.
General Education Requirements ..... **45 hours**
Standard General Education program, excluding general education course categories 09 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
CBO 100 and three hours of restricted electives.
Free Elective ..... **1 hour**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 119.

PRINTING MANAGEMENT (B.S.) AREA MAJOR
Department of Technology
CIP Code: 48.0201.03

Major Requirements ..... **57 hours**
EET 252, GAT 554, 556 (KTLN from Murray State Univ.); MFG 202, 211, 217 or COM 320, 316, 317, 318, 319, 408, 410, 412, 414; TEC 161, 313, 315, 349 (6 hrs)
Supporting Course Requirements ..... **28 hours**
ACC 201; ART 102, 250; CHE 101 (4); ECO 220, 230; GBU 204; MAT 107; PHY 101.
General Education Requirements ..... **39 hours**
Standard General Education program, excluding course categories 09, 14, 15, and 21. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ..... **4 hours**
ATO 100 and three hours of restricted electives.
Total Curriculum Requirements ..... **128 hours**

Students must take a printing management assessment examination before graduation.

Suggested Curriculum Guides begin on page 119.

PUBLIC RELATIONS (B.A.)
Department of Mass Communications
CIP Code: 09.0501

Major Requirements ..... **38 hours**
BEM 295; 375, COM 200, 201, 301, 405, and 491, JOU 305; 325 or TEC 313, PUB 375, 378 (1), 380, 475, 490.

Supporting Course Requirements ..... 18 hours
COM 320, 420, ECO 130, MGT 300, POL 101 and three hours from the following courses: COM 309, 325, 425, MFG 211, MKT 300 or 320.
General Education Requirements ..... 48 hours
Standard General Education program excluding Category 12. Refer to Part Three of this Catalog for details on General Education and University requirements.
University Requirements ..... 4 hours
ATO 100 and three hours of restricted electives.
Free Electives ..... 20 hours
Total Curriculum Requirements ..... 128 hours

Suggested Curriculum Guides begin on page 119.

TECHNOLOGY EDUCATION/TEACHING (B.S.) AREA MAJOR
Department of Technology
CIP Code: 13.1309

Major Requirements ..... 48 hours
CON 121, EET 251, MFG 101, 138, 195, 211, TEC 161, 190, TTE 163, 233, 462, 465, and 12 hours in one of the following options:
Option I:
MFG 371; MFG 201 or TEC 349; TTE 461, and 464.
Option II:
TEC 349 and nine hours of electives from one of the following areas or 12 hours of electives from one of the following areas: construction, manufacturing, communications, or power and energy.
Supporting Course Requirements ..... 20-22 hours
CSC 177, TTE 261, 361, MAT 107, and PHY 131, 132 or CHE 101, 102.
Teacher Education Requirements ..... 31 hours
EDF 103, 203, EPY 319, 413, SED 401, ESE 452, 498, 499.
General Education Requirements ..... 31 hours
Standard General Education program, excluding course categories 03, 14, 15, 16, and 21. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ..... 4 hours
ATO 100 and three hours of restricted electives.
Total Curriculum Requirements ..... 134-136 hours

A graduate of the above program shall have a minimum of 1,000 hours of work experience related to the goals of teacher preparation in technology education or a minimum of 320 hours of supervised work experience (TEC 349). Students must also take the PRAXIS II Examination before graduation.

Suggested Curriculum Guides begin on page 119.

TECHNOLOGY EDUCATION/(TEACHING) (B.S.) FIRST MAJOR
Department of Technology
CIP Code: 13.1309

Major Requirements ..... 36 hours
EET 251, MFG 195, 211, 371; MFG 201 or TEC 349; TEC 161, 190, TTE 163, 233, 461, 462, and 465.
Minor Requirements ..... 18 hours
Supporting Course Requirements ..... 20-22 hours
CSC 177, TTE 261, 361, MAT 107, and PHY 131, 132 or CHE 101, 102.
Teacher Education Requirements ..... 31 hours
EDF 103, 203, EPY 319, 413, SED 401, ESE 452, 498, 499.
General Education Requirements ..... 36 hours
Standard General Education program, excluding course categories 03, 14, 15, 16, and 21. Refer to Part Three of this Catalog for details on the General Education and University requirements.
University Requirements ..... 4 hours
ATO 100 and three hours of restricted electives.
Total Curriculum Requirements ..... 145-147 hours

A graduate of the above program shall have a minimum of 1,000 hours of work experience related to the goals of teacher preparation in industrial education or a minimum of 320 hours of supervised work experience (TEC 349). Students must also take the PRAXIS II Specialty Examination before graduation.

Suggested Curriculum Guides begin on page 119.

VOCATIONAL-INDUSTRIAL AND TECHNICAL EDUCATION/ (TEACHING) (B.S.) AREA MAJOR
Department of Technology
CIP Code: 13.1320

Major Requirements ..... 79 hours
Professional Industrial Education ..... 21 hours
TTE 261, 361, VIT 364†, and 463†(12).
Core ..... 28 hours
TEC 161, 349 [9], EPY 320; MAT 107; VIT 363, EET 251, TTE 233.
VIT Teaching Option# ..... 18 hours
Eighteen semester hours of the technical courses to be chosen in consultation with the advisor. A maximum of eighteen semester hours may be allowed by proficiency examination (VIT 204, 205, 206, 304, 305 and 306).
Industrial Training Option ..... 18 hours
STA 270; MFG 101, 202, 332, 408; PSY 202.
Technical Electives ..... 12 hours
(In consultation with advisor.)
General Education Requirements ..... 48 hours
Standard General Education program, excluding course category 03. Refer to part three of this Catalog for details on the General Education and University Requirements.
University Requirements ..... 4 hours
ATO 100 and three hours of restricted electives.
Total Curriculum Requirements ..... 131 hours

† In-service teachers should substitute SED 388, VIT 463 (4), and six hours professional elective for VIT 463(12). Nine hours of VIT 203 and 302 should be substituted for TEC 349.
# Graduates completing this program option must have a minimum of 2000 clock hours of planned and supervised work experience in the occupation in which they will teach or a minimum of three years of approved work experience in the occupation in which they will teach. Students must also take the PRAXIS II Specialty Examination before graduation.

Suggested Curriculum Guides begin on page 119.

PRE-PROFESSIONAL

Suggested Curriculum Guide for Pre-Veterinary Program

Freshman Year

First Semester

ATO 100*	1
AGR 125	3
AGR 126	1
CHE 111	4
Gen. Ed. (01)*	3
MAT 107	3
HPR 180	1
TOTAL	**16**

Second Semester

BIO 141	4
CHE 112	5
Gen. Ed. (02)*	3
Gen. Ed (20)	2
Gen. Ed. (07), ART 200, MUS 171, THE 100	3
TOTAL	**17**

Sophomore Year

First Semester

AGR 321	4
BIO 211	4
PHY 131	5
ENG 211*	3
HPR 282	1
TOTAL	**17**

Second Semester

AGR 421	3
AGR 372A	1
PHY 132	5
ENG 212	3
Gen. Ed. (10)	3
TOTAL	**15**

Junior Year

First Semester

CHE 361	4
CHE 366	1
Gen. Ed (11)	3
Gen. Ed * (09)	3
Science Elective	3
HPR 281	2
UWR	
TOTAL	**16**

Second Semester

CHE 362	4
CHE 367	1
Gen. Ed * (08)	3
Gen. Ed * (12)	3
MAT 261	3
Science Elective	3
TOTAL	**17**

*Auburn waves these courses for students applying to Veterinary School with a B.S. Degree.

ASSOCIATE DEGREES

Suggested Curriculum Guide for Child Care (A.S.)

Freshman Year

First Semester

ATO 100	1
CDF 132	3
CDF 241	3
Gen. Ed. (01)	3
SED 104	3
Gen. Ed. (09)	3
TOTAL	**16**

Second Semester

CDF 244	3
CDF 248	3
CSC 104 or CIS 212	3
Gen. Ed. (02)	3
SPE 100	3
Gen. Ed. (05, 06, or 07)	3
TOTAL	**18**

NOTE:
*Cumulative 2.5 GPA, and a minimum grade of "C" in all CDF courses is required to enroll in CDF 350.
*Three hours of Humanities can be selected from categories 07 or 08

Sophomore Year

First Semester

CDF 247	3
CDF 345	3
CDF 344	3
Gen. Ed. (10 or 11)*	3
BIO 300 or 317	3
Restricted Electives	3
TOTAL	**18**

Second Semester

CDF 350	6
NFA 317	3
CDF 346	3
Restricted Electives	1
TOTAL	**13**

NOTE:
*SOC 131 is a suggested course. You can choose three hours from any course in Category 09.
*ANT 211 is a suggested course. You can choose three hours from any course in Category 10 or 11

Suggested Curriculum Guide for Computer Aided Drafting (A.S.)

Freshman Year

First Semester

ATO 100	1
CSC 177	3
Gen. Ed. (01)	3
MAT 107	3
MFG 138	3
TEC 190	3
TOTAL	**16**

Second Semester

Gen. Ed. (02)	3
Gen. Ed (05, 06, or 07)	3
MAT 108	3
MFG 192	3
MFG 195	3
TEC 161	3
TOTAL	**18**

Sophomore Year

First Semester

MFG 201	3
MFG 330	3
MFG 390	3
MFG 392	3
PHY 131	5
TOTAL	**17**

Second Semester

ECO 230	3
MFG 383	3
MFG 397	3
Restricted Elective	4
TEC 391	3
TOTAL	**16**

Suggested Curriculum Guide for Computer Electronic Publishing (A.S.)

Freshman Year

First Semester

ATO 100	1
MFG 217	3
Gen. Ed. (01)	3
MAT 107	3
MFG 101	3
MFG 211	3
TOTAL	**16**

Second Semester

ART 102	3
CHE 101	4
Gen. Ed. (02)	3
EET 252	3
TEC 161	3
TOTAL	**16**

Sophomore Year

First Semester

ART 250	3
ECO 230	3
TEC 313	3
MFG 316	3
Gen. Ed (05, 06, or 07)	3
Restricted Elective	1
TOTAL	**16**

Second Semester

ACC 201	3
MFG 319	3
MFG 317	3
Restricted Elective	3
Free Elective	4
TOTAL	**16**

Suggested Curriculum Guide for Computer Electronic Technology (A.S.)

Freshman Year

First Semester

ATO 100	1
CSC 177	3
EET 251	3
EET 252	3
Gen. Ed (01)	3
MAT 107	3
Restricted Elective	2
TOTAL	**18**

Second Semester

Gen. Ed (02)	3
EET 253	3
EET 254	3
EET 257	3
MAT 108	3
Restricted Elective	2
TOTAL	**17**

Sophomore Year

First Semester

EET 305	3
EET 350	3
EET 354	3
MFG 352	3
PHY 131	5
TOTAL	**17**

Second Semester

EET 351	3
EET 355	3
EET 356	3
Gen. Ed (05, 06, or 07)	3
Gen. Ed. (09, 10, or 11)	3
TOTAL	**15**

Suggested Curriculum Guide for Interior Design Assistant (A.A.)

Freshman Year

First Semester

Gen. Ed (01)	3
IDH 121	3
ART 152	3
IDH 221	3
IDH 229	3
ATO 100	1
TOTAL	**16**

Second Semester

Gen. Ed (02)	3
ART 153	3
IDH 224	3
IDH 222	3
Gen. Ed (09, 10, or 11)	3
CON 250	3
TOTAL	**18**

Sophomore Year

First Semester

ART 390	3
IDH 322	3
IDH 328	3
IDH 330	3
ADM 201	3
HPR 180	1
Restricted Elective	1
TOTAL	**17**

Second Semester

IDH 331	3
ADM 302	3
MAT 106	3
ART 391	3
HPR 282	1
Restricted Elective	3
TOTAL	**16**

Suggested Curriculum Guide for Nutrition Care Management (A.S.)

Freshman Year	
First Semester	
NFA 121	3
NFA 202	1
ATO 100	1
CHE 101	4
Gen. Ed. (01)	3
Gen. Ed. (09, 10, or 11)	3
TOTAL	**15**
Second Semester	
NFA 201	3
CHE 102	4
Gen. Ed. (02)	3
HEA 281	2
PSY 202	3
TOTAL	**15**

Sophomore Year	
First Semester	
NFA 317	3
NFA 325	2
NFA 326	2
NFA 344	3
CIS 212 or CSC 104	3
Gen. Ed. (05, 06, or 07)	3
Restricted Elective	2
TOTAL	**18**
Second Semester	
FSC 303	3
NFA 302	3
NFA 321	3
NFA 349	1
BIO 301	3
MGT 300	3
Restricted Elective	2
TOTAL	**18**

Suggested Curriculum Guide for Office System/Technologies (A.A.)

Freshman Year	
First Semester	
CBO 100*	1
ACS 101	3
ACS 107**	3
Gen. Ed. (01)	3
Gen. Ed. (Three hours from Area II)	3
SPE 100	3
TOTAL	**16**
Second Semester	
ACC 201	3
ACS 200	3
ECO 230 or 231	3
Gen. Ed. (02)	3
Gen. Ed. (Three hours from Area IV or MAT 107)	3
TOTAL	**15**

Sophomore Year	
First Semester	
ACS 201	3
ACS 250 or CIS 212	3
ACS 280	3
ACS 290 or CIS 230	3
ACS 302	3
Restricted Elective	3
TOTAL	**18**
Second Semester	
ACS 254	3
ACS 300	3
ACS 303	3
GBU 204	3
Business Elective (Choose from ACC 202, ACS 349, ECO 230, ECO 231)	3
Restricted Elective	1
TOTAL	**16**

*Course must be taken in semester indicated.
**Students who do not have adequate background for ACS 107 must complete ACS 106 first.
***Students may test out of ACS 107, 200, 201, 254, 290, or 300. See department chair for more information.

Suggested Curriculum Guide for Quality Assurance Technology (A.S.)

Freshman Year	
First Semester	
ATO 100	1
Gen. Ed. (01)	3
MAT 107	3
MFG 101	3
MFG 138	3
TEC 190	3
TOTAL	**16**
Second Semester	
Gen. Ed. (02)	3
MAT 108	3
MFG 201	3
STA 270	3
TEC 161	3
TOTAL	**15**

Sophomore Year	
First Semester	
EET 252	3
MFG 202	3
MFG 330	3
PHY 131	5
Restricted Elective	2
TOTAL	**16**
Second Semester	
Gen. Ed. (05, 06, or 07)	3
Gen. Ed. (09, 10, or 11)	3
MFG 301	3
MFG 332	3
MFG 336	3
Restricted Elective	2
TOTAL	**17**

Suggested Curriculum Guide for Technical Agriculture/Agriculture Mechanics (A.S.)

Freshman Year

First Semester

ATO 100	1
AGR 213	4
Gen. Ed. (01)	3
AGR Elective	2
Restricted Elective	3
Gen. Ed. (05, 06, or 07)	3
TOTAL	**16**

Second Semester

AGR 272	3
Gen. Ed (02)	3
Gen. Ed. (13, 14, or 15)	3
Restricted Elective	1
AGR 301, 302, or 349	3
Gen. Ed. Elective	1
AGR 210	2
TOTAL	**16**

Sophomore Year

First Semester

AGR 308	3
AGR 362	2
AGR 383	3
AGR 215	3
AGR 130 and 131	4
TOTAL	**15**

Second Semester

AGR 304	4
AGR 381	3
AGR Elective	3
AGR 301, 302, or 349	4
Gen. Ed (09, 10, or 11)	3
TOTAL	**17**

Suggested Curriculum Guide for Technical Agriculture/Dairy Herd Management (A.S.)

Freshman Year

First Semester

ATO 100	1
AGR 125	3
AGR 126	1
Gen. Ed. (01)	3
AGR 130 and 131	4
Restricted Elective	3
TOTAL	**15**

Second Semester

AGR 213	4
Gen. Ed. (02)	3
AGR 210	2
AGR Elective	3
Gen. Ed (13, 14, or 15)	3
Gen. Ed Elective	1
TOTAL	**16**

Sophomore Year

First Semester

AGR 308	3
AGR 321	4
AGR 215	3
AGR 301, 302, or 349	2
Restricted Elective	1
Gen. Ed. (09, 10, or 11)	3
TOTAL	**16**

Second Semester

AGR 304	4
AGR 380	4
Gen. Ed (05, 06, or 09)	3
AGR 301, 302 or 349	4
AGR Elective	2
TOTAL	**17**

Suggested Curriculum Guide for Technical Agriculture/Floriculture/Floristry (A.S.)

Freshman Year

First Semester

ATO 100	1
OHO 131 and 132	4
Gen. Ed (01)	3
OHO 301	2
Gen. Ed (13, 14, or 15)	3
Restricted Elective	3
TOTAL	**16**

Second Semester

AGR 213	4
Gen. Ed (02)	3
AGR 215	3
OHO 362E	1
Gen. Ed (05, 06, or 07)	3
AGR 210	2
TOTAL	**16**

Sophomore Year.

First Semester

OHO 388	3
OHO 364	2
AGR 308	3
Gen. Ed (09, 10, or 11)	3
OHO 301, 349 or 389	4
Restricted Elective	1
TOTAL	**16**

Second Semester

OHO 389	3
OHO 384 or 385	3
AGR 304	4
AGR/OHO Elective	5
Gen. Ed. Elective	1
TOTAL	**16**

Suggested Curriculum Guide for Technical Agriculture/Landscape Horticulture (A.S.)

Freshman Year

First Semester

ATO 100	1
OHO 131 and 132	4
Gen. Ed (01)	3
AGR/OHO Elective	3
Gen. Ed (13, 14, or 15)	3
Restricted Elective	2
TOTAL	**16**

Second Semester

AGR 213	4
Gen. Ed (02)	3
AGR 215	3
AGR 210	2
Gen. Ed. Elective	1
Gen. Ed. (09, 10, or 11)	3
TOTAL	**16**

Sophomore Year

First Semester

AGR 308	3
OHO 261	3
OHO 371 or 372	3
OHO 301, 349, or 389	3
Restricted Elective	1
AGR/OHO Elective	3
TOTAL	**16**

Second Semester

AGR 304	4
OHO 262	3
OHO 370 or 391	3
OHO 301, 349 or 389	3
Gen. Ed (05, 06, or 07)	3
TOTAL	**16**

Suggested Curriculum Guide for Technical Agriculture/Livestock Management (A.S.)

Freshman Year

First Semester

ATO 100	1
AGR 125 and 126	4
Gen. Ed (01)	3
AGR 130 and 131	4
Restricted Elective	3
TOTAL	**15**

Second Semester

AGR 210	2
AGR 213	4
Gen. Ed (13, 14, or 15)	3
AGR Elective	3
Gen. Ed (02)	3
Gen. Ed. Elective	1
TOTAL	**16**

Sophomore Year

First Semester

AGR 321	4
AGR 215	3
AGR 308	3
Gen. Ed. (09, 10, or 11)	3
AGR 301, 302, or 349	2
Gen. Ed. (05, 06, or 07)	3
TOTAL	**18**

Second Semester

AGR 327 or 328	4
AGR 301, 302, or 349	4
AGR 304	4
AGR Elective	2
Restricted Elective	1
TOTAL	**15**

Suggested Curriculum Guide for Technical Agriculture/Turf Management (A.S.)

Freshman Year

First Semester

ATO 100	1
OHO 131 and 132	4
Gen. Ed. (01)	3
Restricted Elective	3
Gen. Ed. (13, 14, or 15)	3
AGR/OHO Elective	2
TOTAL	**16**

Second Semester

AGR 213	4
Gen. Ed. (02)	3
OHO 301, 349, or 389	2
AGR 210	2
AGR 215	3
Gen. Ed. (05, 06, or 07)	3
TOTAL	**17**

Sophomore Year

First Semester

AGR 308	3
AGR 362	2
OHO 351	4
Restricted Elective	1
OHO 301	1
Gen. Ed (09, 10, or 11)	3
Gen. Ed. Elective	1
TOTAL	**15**

Second Semester

AGR 304	4
OHO 352	2
OHO 370	3
OHO 301, 349, or 389	4
AGR/OHO Elective	3
TOTAL	**16**

Suggested Curriculum Guide for Vocational-Industrial and Technical Education/(Teaching) (A.S.)

Freshman Year

First Semester

ATO 100	1
Gen. Ed. (01)	3
Mathematics Elective (03)	3
Gen. Ed. (09, 10, or 11)	3
Restricted Elective	2
Technical Electives[2]	6
TOTAL	**18**

Second Semester

Gen. Ed. (02)	3
TEC 161	3
Restricted Elective	2
Technical Electives[2]	6
TOTAL	**14**

Sophomore Year

First Semester

Gen Ed (05, 06, or 07)	3
Technical Electives[2]	9
TTE 261	3
TTE 361 or VIT 264	3
TOTAL	**18**

Second Semester

VIT 364	3
VIT 463 Practicum, Vocational Industrial and Technical Education	12
TOTAL	**15**

[1]This degree is an in-service degree program—normally for those who are already teaching in a vocational industrial education program.
[2]Laboratory course in the area, or related to the area, in which the individual is preparing to teach. The selection must be approved by the advisor and the department chair. Nine semester hours maximum may be allowed by proficiency examination (VIT 204, 205, and 206) for the Technical Electives. Nine semester hours, maximum, may be allowed for supervised work experience (TEC 349).
[3]In-service teachers should substitute VIT 363, 463 (4), 3 hours of professional elective, and SED 388 or EPY 320 for VIT 463 (12).

BACCALAUREATE DEGREES

Suggested Curriculum Guide for Accounting (B.B.A.)

Freshman Year

First Semester

CBO 100*	1
Gen. Ed. (01)*	3
Gen Ed (03)	3
Gen Ed. (13 or 14)	3
Gen. Ed. (17)	1
MAT 107 or 211	3
SOC 131	3
TOTAL	**17**

Second Semester

Gen. Ed (02)*	3
Gen. Ed (07)	3
Gen. Ed (13 or 14)	3
Gen. Ed (18)	1
Gen. Ed (19)	2
QMB 200	3
TOTAL	**15**

Sophomore Year

First Semester

ACC 201	3
ECO 230	3
Gen Ed (05 or 06)	3
Gen Ed (10 or 11)	3
Gen Ed (15)	3
TOTAL	**15**

Second Semester

ACC 202	3
ACC 250	1
ECO 231	3
GBU 204	3
Gen Ed (05 or 06)	3
Gen Ed (10 or 11)	3
TOTAL	**16**

Junior Year

First Semester

ACC 301	3
ACC 327	3
ACS 300	3
CIS 300	3
Gen. Ed. (04, 08, 12, or 16)	3
UWR	
TOTAL	**15**

Second Semester

ACC 302	3
ACC 322	3
ACC 350	3
ECO (upper division)	3
MGT 300	3
MGT 340	3
TOTAL	**18**

Senior Year

First Semester

ACC 441	3
FIN 300	3
MGT 370	3
MKT 300	3
Major Elective	3
Gen. Ed. (20)	2-3
TOTAL	**17-18**

Second Semester

ACC 425	3
GBU 480*	3
Gen. Ed (04, 08, 12, or 16)	3
Major Elective	3
Restricted Elective	2-3
TOTAL	**14-15**

*Course must be taken in semester indicated. (GBU 480 must be taken in final semester.)

Suggested Curriculum Guide for Administrative Communication and Services/Administrative Services Option (B.B.A.)

Freshman Year

First Semester

CBO 100*	1
ACS 107	3
Gen. Ed (01)*	3
Gen. Ed (13 or 14)	3
Gen. Ed (17)	1
MAT 107 or 211	3
SOC 131	3
TOTAL	**17**

Second Semester

ACS 200	3
ECO 230	3
Gen. Ed. (02)*	3
Gen. Ed (07)	3
Gen. Ed. (10 or 11)	3
Gen. Ed. (18)	1
TOTAL	**16**

Sophomore Year

First Semester

ACC 201	3
ACS 250 or CIS 212	3
ACS 254	3
Gen. Ed (05)	3
Gen. Ed (19)	2
QMB 200	3
TOTAL	**17**

Second Semester

ACC 202	3
ACS 201	3
ACS 290 or CIS 230	3
ECO 231	3
GBU 204	3
Gen. Ed. (20)	2-3
TOTAL	**17-18**

Junior Year

First Semester

ACS 300	3
CIS 300	3
Gen. Ed (06)	3
Gen Ed (15) (upper division)	3
MGT 300	3
UWR	
TOTAL	**15**

Second Semester

ACS 349*	3
FIN 300	3
Gen. Ed. (03)	3
Gen. Ed (10 or 11)	3
MGT 340	3
TOTAL	**15**

Senior Year

First Semester

ACS 302*	3
ECO (upper division)	3
Gen. Ed (04, 08, 12, or 16)	3
MGT 370	3
MKT 300	3
TOTAL	**15**

Second Semester

ACS 303*	3
Free Elective (upper division)	0-1
GBU 480*	3
Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed. (13 or 14)	3
Restricted Elective (upper division)	3
TOTAL	**15-16**

*Courses must be taken in semester indicated (GBU 480 must be taken in final semester).
** Students who do not have adequate typing background for ACS 107 must complete 106 first.

Suggested Curriculum Guide for Administrative Communication and Services/Managerial Communication Option (B.B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
CBO 100*	1	ACC 201	3	ACS 300	3	ACS 302*	3
Gen. Ed. (01)*	3	Gen. Ed. (05)	3	CIS 300	3	ECO (upper division)	3
Gen. Ed (13 or 14)	3	Gen. Ed. (19)	2	FIN 300	3	Gen. Ed. (04, 08, 12, or 16)	3
Gen. Ed (17)	1	QMB 200	3	Gen. Ed (15)	3	MGT 370	3
MAT 107 or 211	3	SPE 100 (support/Gen. Ed 20)	3	MGT 300	3	MKT 300	3
SOC 131	3	TOTAL	14	PUB 375	3	SPE 300	3
TOTAL	14	Second Semester		UWR		TOTAL	18
Second Semester		ACC 202	3	TOTAL	18	Second Semester	
ACS 200	3	ACS 201	3	Second Semester		ACS 450*	3
ECO 230	3	ACS 250 or CIS 212	3	Gen. Ed. (03)	3	Free Elective	3
Gen. Ed. (02)*	3	ECO 231	3	Gen Ed (10 or 11)	3	GBU 480*	3
Gen. Ed (07)	3	GBU 204	3	Gen. Ed (04, 08, 12, or 16)	3	Gen. Ed. (13 or 14)	3
Gen. Ed (10 or 11)	3	Gen. Ed (06)	3	MGT 340	3	Restricted Elective (upper division)	3
Gen. Ed (18)	1	TOTAL	18	PUB 380	3	TOTAL	15
TOTAL	16			TOTAL	15		

*Courses must be taken in semester indicated (GBU 480 must be taken in final semester).

Suggested Curriculum Guide for Agriculture with Minor in Business (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
ATO 100	1	AGR 308	3	AGR Elective*	3	Minor Elective (UD)	3
AGR 125	3	Minor Elective	3	Minor Elective	3	AGR Elective*	6
AGR 126	1	AGR 301, 302, or 349	1	Gen Ed. (10)	3	Gen Ed (03)	3
Gen. Ed (01)	3	CHE 101	4	Gen Ed (07)	3	Free Elective	3
AGR 130	3	Gen. Ed (05)	3	Gen Ed (20)	2	Gen. Ed (15)	3
AGR 131	1	Gen. Ed (19)	2	Free Elective	3	TOTAL	18
Gen Ed (17)	1	TOTAL	16	UWR		Second Semester	
Gen. Ed (21)	3	Second Semester		TOTAL	17	AGR 310 or 350	3
TOTAL	16	AGR 215	3	Second Semester		AGR 411	1
Second Semester		ECO 230	3	AGR 304	4	AGR Elective*	5
AGR 210	2	AGR 301, 302, or 349	3	Gen. Ed (04, 08, or 16)	1	Minor Elective	3
ECO 230	3	Gen. Ed. (06)	3	AGR Elective*	3	Gen. Ed (11)	3
AGR Elective	3	BIO 131 or 141	4	Restricted Elective (UD)	3	TOTAL	15
Gen. Ed (02)	3	TOTAL	16	Minor Elective	3		
Gen. Ed (18)	1			TOTAL	14		
AGR 213	4						
TOTAL	16						

*Agriculture Electives can be either AGR or OHO courses but must be upper division (>300).

Suggested Curriculum Guide for Agriculture/Agribusiness Management (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
ATO 100	1	AGR 308	3	Free Elective	3	AGR Elective*	3
AGR 125	3	AGR 321	4	AGR 301, 302, or 349	1	AGR 381	3
AGR 126	1	CHE 101	4	Gen. Ed. (11)	3	CIS 212, CSC 104, or ACS 201	3
Gen. Ed (01)	3	Gen. Ed (05)	3	Gen Ed (07)	3	Gen. Ed (20)	2
AGR 130	3	Gen. Ed. (19)	2	Gen. Ed (10)	3	Gen. Ed (15)	3
AGR 131	1	TOTAL	16	ACC 201	3	Gen Ed (04, 08, 12, or 16)	1
Gen. Ed (17)	1	Second Semester		UWR		Free Elective	2
Gen. Ed (21)	3	AGR 215	3	TOTAL	16	TOTAL	17
TOTAL	16	AGR Elective*	3	Second Semester		Second Semester	
Second Semester		AGR 301, 302 or 349	3	AGR 304	4	AGR 440	3
AGR 210	2	Gen. Ed (06)	3	AGR 315	2	AGR 409	3
ECO 230	3	BIO 131 or 141	4	AGR 310 or 350	3	AGR 411	1
AGR Elective	3	TOTAL	16	Restricted Elective	3	Free Elective (UD)	3
Gen. Ed (02)	3			AGR Elective*	3	Free Elective	3
Gen. Ed. (18)	1			TOTAL	15	Gen. Ed (04, 08, 12, or 16)	3
AGR 213	4					TOTAL	16
TOTAL	16						

*Agriculture Electives can be either AGR or OHO courses but must be upper division (>300).

Suggested Curriculum Guide for Agriculture/Agricultural Systems Management (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
ATO 100	1	AGR 308	3	AGR Elective*	3	Free Elective	3
AGR 125	3	AGR 318	3	AGR 362	2	AGR Elective*	3
AGR 126	1	AGR 301, 302, or 349	1	Gen. Ed. (11)	3	CIS 212, CSC 104, or ACS 201	3
Gen. Ed (01)	3	CHE 101	4	Gen. Ed (07)	3	Gen. Ed. (20)	2
AGR 130	3	Gen. Ed. (05)	3	Gen. Ed. (10)	3	Gen. Ed. (15)	3
AGR 131	1	Gen. Ed. (19)	2	ACC 201	3	Free Elective (UD)	2
Gen. Ed (17)	1	**TOTAL**	**16**	UWR		**TOTAL**	**16**
Gen. Ed. (21)	3	**Second Semester**		**TOTAL**	**17**	**Second Semester**	
TOTAL	**16**	AGR 215	3	**Second Semester**		AGR 310 or 350	3
Second Semester		Free Elective	3	AGR 304	4	AGR Elective*	3
AGR 210	2	AGR 301, 302, or 349	3	AGR 383	3	AGR 411	1
ECO 230	3	Gen. Ed. (06)	3	AGR Elective*	3	AGR 381	3
AGR 272	3	BIO 131 or 141	4	Restricted Elective	3	Gen. Ed. (04, 08, 12, or 16)	1
Gen. Ed (02)	3	**TOTAL**	**16**	Free Elective (UD)	3	Gen. Ed. (04, 08, 12, or 16)	3
Gen. Ed (18)	1			**TOTAL**	**16**	Free Elective	1
AGR 213	4					**TOTAL**	**15**
TOTAL	**16**						

*Agriculture Electives can be either AGR or OHO courses but must be upper division (>300).

Suggested Curriculum Guide for Agriculture/Agronomy and Natural Resources (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
ATO 100	1	AGR 308	3	AGR Elective*	3	Free Elective	3
AGR 125	3	AGR 215	3	Gen. Ed. (11)	3	AGR Elective*	3
AGR 126	1	AGR 301, 302, or 349	1	Gen. Ed (07)	3	CIS 212, CSC 104, ACS 201	3
Gen. Ed (01)	3	AGR 321	4	Gen. Ed. (10)	3	Gen. Ed (20)	2
AGR 130	3	Gen. Ed. (05)	3	ACC 201	3	AGR 416	3
AGR 131	1	Gen. Ed (19)	2	UWR		Gen. Ed (15)	3
Gen. Ed (17)	1	**TOTAL**	**16**	**TOTAL**	**15**	**TOTAL**	**17**
Gen. Ed (21)	3	**Second Semester**		**Second Semester**		**Second Semester**	
TOTAL	**16**	AGR 315	2	AGR 304	4	AGR Elective*	3
Second Semester		Free Elective	3	AGR 312 or AGR 345	3	AGR 411	1
AGR 210	2	AGR 301, 302, or 349	3	AGR Elective*	3	AGR 340	3
ECO 230	3	Gen. Ed (06)	3	AGR 310 or 350	3	Gen. Ed (04, 08, 12, or 16)	1
CHE 101	4	BIO 131 or 141	4	Restricted Elective	3	Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed (02)	3	**TOTAL**	**15**	**TOTAL**	**16**	Free Electives	5
Gen. Ed (18)	1					**TOTAL**	**16**
AGR 213	4						
TOTAL	**17**						

*Agriculture Electives can be either AGR or OHO courses but must be upper division (>300).

Suggested Curriculum Guide for Agriculture/Dairy Herd Management (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
ATO 100	1	AGR 308	3	AGR 321	4	AGR Elective*	3
AGR 125	3	AGR Elective*	3	ACC 201	3	Free Elective	3
AGR 126	1	AGR 301, 302, or 349	1	Gen. Ed. (11)	3	Gen. Ed. (20)	2
AGR 130	3	CHE 101	4	Gen. Ed. (07)	3	CIS 212, CSC 104, or ACS 201	3
AGR 131	1	Gen. Ed (05)	3	Gen. Ed. (21)	3	Gen. Ed (15)	3
Gen. Ed (01)	3	Gen. Ed (19)	2	UWR		Free Elective	2
Gen. Ed (17)	1	**TOTAL**	**16**	**TOTAL**	**16**	**TOTAL**	**16**
ECO 230	3	**Second Semester**		**Second Semester**		**Second Semester**	
TOTAL	**16**	AGR 215	3	AGR 304	4	AGR 380	4
Second Semester		Free Elective	3	AGR 375	3	AGR 411	1
AGR 210	2	AGR 301, 302, or 349	3	AGR Elective*	3	AGR Elective*	3
AGR 225	3	Gen. Ed (06)	3	AGR 310 or 350	3	Gen. Ed. (04, 08, 12, or 16)	3
AGR 213	4	BIO 131 or 141	4	Restricted Elective	3	Gen. Ed. (04, 08, 12, or 16)	1
Gen. Ed (02)	3	**TOTAL**	**16**	**TOTAL**	**16**	Free Electives	4
Gen. Ed (18)	1					**TOTAL**	**16**
Gen. Ed. (10)	3						
TOTAL	**16**						

Suggested Curriculum Guide for Agriculture/Livestock Production (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
ATO 100	1	AGR 308	3	AGR 321	4	AGR Elective*	3
AGR 125	3	AGR Elective*	3	ACC 201	3	Free Elective	3
AGR 126	1	AGR 301, 302, or 349	1	Gen. Ed (11)	3	Gen. Ed (20)	2
AGR 130	3	CHE 101	4	Gen. Ed. (07)	3	CIS 212, CSC 104, or ACS 201	3
AGR 131	1	Gen. Ed. (05)	3	Gen. Ed (10)	3	Gen. Ed (15)	3
Gen. Ed. (01)	3	Gen. Ed. (19)	2	UWR		Gen. Ed (04, 08, 12, or 16)	1
Gen. Ed. (17)	1	**TOTAL**	**16**	**TOTAL**	**16**	**TOTAL**	**15**
Gen. Ed. (21)	3	**Second Semester**		**Second Semester**		**Second Semester**	
TOTAL	**16**	AGR 215	3	AGR 304	4	AGR 328	4
Second Semester		Free Elective	3	AGR 327	4	AGR 409	3
AGR 210	2	AGR 301, 302, or 349	3	AGR Elective*	3	AGR 411	1
AGR 225	3	Gen. Ed (06)	3	AGR 310 or 350	3	AGR Elective*	3
AGR 213	4	BIO 131 or 141	4	Restricted Elective	3	Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed (02)	3	**TOTAL**	**16**	**TOTAL**	**17**	Free Elective	2
Gen. Ed. (18)	1					**TOTAL**	**16**
ECO 230	3						
TOTAL	**16**						

Suggested Curriculum Guide for Agriculture/Soils (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
ATO 100	1	AGR 308	3	AGR Elective*	3	AGR 301, 302, or 349	3
AGR 125	3	AGR 215	3	AGR 317	2	AGR Elective*	3
AGR 126	1	AGR 301, 302, or 349	1	Gen. Ed. (11)	3	CIS 212, CSC 104, or ACS 201	3
Gen. Ed. (01)	3	Free Elective	3	Gen. Ed (07)	3	Gen Ed (20)	2
AGR 130	3	Gen Ed. (05)	3	Gen Ed (10)	3	AGR 416	3
AGR 131	1	Gen. Ed (18)	1	ACC 201	3	Gen Ed (04, 08, 12, or 16)	1
Gen Ed (17)	1	Gen Ed (19)	2	UWR		**TOTAL**	**15**
Gen. Ed. (21)	3	**TOTAL**	**16**	**TOTAL**	**17**	**Second Semester**	
TOTAL	**16**	**Second Semester**		**Second Semester**		AGR 310 or 350	3
Second Semester		AGR 315	2	AGR 304	4	AGR 411	1
AGR 210	2	AGR 318	2	AGR 312 or AGR 345	3	Gen Ed (15)	3
ECO 230	3	Free Elective	3	AGR Elective*	3	Free Elective	5
CHE 101	4	AGR Elective*	3	AGR 340	3	Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed (02)	3	Gen Ed. (06)	3	Restricted Elective	3	**TOTAL**	**15**
AGR 213	4	BIO 131 or 141	4	**TOTAL**	**16**		
TOTAL	**16**	**TOTAL**	**17**				

*Agriculture Electives can be either AGR or OHO courses but must be upper divison (>300).

Suggested Curriculum Guide for Agriculture/Vo-Ag Preparation (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
ATO 100	1	AGR 308	3	Restricted Elective	3	AGR Elective*	5
AGR 125	3	AGR Elective.	3	AGR Elective	2	CIS 212, CSC 104, or ACS 201	3
AGR 126	1	AGR 301, 302, or 349	1	Gen. Ed (11)	3	Gen. Ed (20)	2
Gen. Ed (01)	3	CHE 101	4	AGR Elective*	3	Gen. Ed (15)	3
AGR 130	3	Gen. Ed. (05)	3	AGR Elective (UD)	3	AGR Elective*	2
AGR 131	1	Gen. Ed. (19)	2	ACC 201	3	Gen. Ed (04, 08, 12, or 16)	1
Gen. Ed (17)	1	**TOTAL**	**16**	UWR		**TOTAL**	**16**
Gen. Ed. (21)	3	**Second Semester**		**TOTAL**	**17**	**Second Semester**	
TOTAL	**16**	AGR 215	3	**Second Semester**		AGR Elective*	5
Second Semester		Free Elective	3	AGR 304	4	AGR Elective*	3
AGR 210	2	AGR 301, 302, or 349	3	AGR 310 or 350	3	AGR 411	1
Gen. Ed. (10)	3	Gen. Ed (06)	3	AGR Elective*	3	Gen. Ed (07)	3
ECO 230	3	BIO 131 or 141	4	Free Elective	3	Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed (02)	3	**TOTAL**	**16**	Free Elective	3	**TOTAL**	**15**
Gen. Ed (18)	1			**TOTAL**	**16**		
AGR 213	4						
TOTAL	**16**						

*Agriculture Electives can be either AGR or OHO courses but must be upper division (>300).

Suggested Curriculum Guide for Apparel Design and Merchandising/Design Option (BS) Area Major

Freshman Year

First Semester

Gen. Ed (01)	3
ATO 100	1
ADM 100	3
ADM 102	3
ART 100	3
Gen. Ed (09)	3
Gen. Ed (17)	1
TOTAL	**17**

Second Semester

Gen. Ed (02)	3
ART 101	3
Gen. Ed (07)	3
Gen. Ed. (18)	1
Gen. Ed (19)	2
Gen Ed. (20)	2
TOTAL	**14**

Sophomore Year

First Semester

ADM 201	3
CHE 101	4
THE 220/MFG 101	3
Gen. Ed (05)	3
Gen. Ed (10)	3
TOTAL	**16**

Second Semester

ADM 203	3
ADM 222	3
ADM 349	2
Gen Ed. (03)	3
Gen. Ed. (06)	3
Gen. Ed. (11)	3
TOTAL	**17**

Junior Year

First Semester

ADM 312	3
ADM 339	3
FRM 352	3
Gen. Ed. (13)	3
Gen. Ed. (04, 08, 12, or 16)	3
UWR	
TOTAL	**15**

Second Semester

ADM 301	3
ADM 313	3
ADM 411	3
Restricted Elective	3
Elective	4
TOTAL	**16**

Senior Year

First Semester

ADM 412	3
ADM 310	3
Gen. Ed. (15)	3
Gen. Ed. (21)	3
Elective	3
TOTAL	**15**

Second Semester

ADM 413	3
THE 320/MFG 308	3
Gen. Ed (04, 08, 12, or 16)	3
Electives	9
TOTAL	**18**

Suggested Curriculum Guide for Apparel Design and Merchandising/Merchandising Option (B.S.)

Freshman Year

First Semester

Gen. Ed (01)	3
ATO 100	1
ADM 100	3
Gen. Ed. (09)	3
Gen. Ed (03)	3
Gen. Ed (17)	1
TOTAL	**14**

Second Semester

Gen. Ed (02)	3
Gen. Ed (13)	3
Gen. Ed. (07)	3
Gen. Ed. (18)	1
Gen. Ed (19)	2
Restricted Elective	3
TOTAL	**15**

Sophomore Year

First Semester

ADM 201	3
ECO 230	3
CHE 101	4
ADM 349	2
Gen Ed (05)	3
Gen Ed (10)	3
TOTAL	**18**

Second Semester

ADM 222	3
ACC 201	3
Gen. Ed (06)	3
Gen. Ed (11)	3
Gen. Ed (15)	3
Gen. Ed (04, 08, 12, or 16)	2
TOTAL	**17**

Junior Year

First Semester

ADM 319	3
ADM 339	3
ADM 310	3
FCS 352	3
COM 301 or BEM 375 or 3 hrs MKT/MGT	3
Gen Ed (20)	2
UWR	
TOTAL	**17**

Second Semester

ADM 301	3
ADM 313	3
COM 320 or PUB 375 or 3 hrs MKT/MGT	3
Gen. Ed. (04, 08, 12, or 16)	3
Gen Ed. (21)	3
Elective	3
TOTAL	**18**

Senior Year

First Semester

ADM 510	3
COM 425 or 380 or 3 hrs MKT	3
COM 201 or Elective	3
Electives	7
TOTAL	**16**

Second Semester

ADM 413	3
ADM 414	10
TOTAL	**13**

Suggested Curriculum Guide for Aviation/Professional Flight Option (B.S.) Area Major

Freshman Year

First Semester

ATO 100	1
AVN 150	3
AVN 192	3
AVN 192A	(.5)
AVN 193A	(.5)
Gen Ed (01)	3
Gen Ed (19)	2
MAT 107 and 108 or 109	3
TOTAL	**16**

Second Semester

AVN 201A	(.5)
AVN 202A	(.5)
AVN 203A	(.5)
AVN 204A	(.5)
CSC 177 (04) or CIS 212	3
Gen. Ed. (02)	3
Gen. Ed. (13)	3
Gen. Ed. (17)	1
MAT 108 and 107 or 109	3
TOTAL	**15**

Sophomore Year

First Semester

AVN 220	3
AVN 220A	1
ECO 230	3
Gen. Ed (05)	3
GEO 215	3
PHY 131	5
TOTAL	**18**

Second Semester

AVN 225A	(.5)
AVN 226A	(.5)
ECO 231	3
Gen. Ed (06)	3
Gen. Ed (07)	3
Gen. Ed (18)	1
PHY 132	5
TOTAL	**16**

Junior Year

First Semester

AVN 227A	(.5)
AVN 228A	(.5)
AVN 315	3
Gen. Ed (10)	3
MAT 211 or 124	3
MGT 300	3
SPE 100	3
UWR	
TOTAL	**16**

Second Semester

AVN 300	2
AVN 300A	1
Gen. Ed (11)	3
MGT 480	3
PSY 202	3
Free Elective	1
STA 215	3
TOTAL	**16**

Senior Year

First Semester

AVN 310	4
AVN 310A	1
AVN 325	3
AVN 350	3
AVN 410	3
Restricted Elective	3
TOTAL	**17**

Second Semester

AVN 320	2
AVN 320A	1
AVN 400	1
AVN 400A	1
AVN 425	3
AVN 460	3
Free Elective	3
TOTAL	**14**

Suggested Curriculum Guide for Aviation/Aviation Administration Option (B.S.) Area Major

Freshman Year

First Semester

ATO 100	1
AVN 150	3
AVN 192	3
AVN 192A	(.5)
AVN 193A	(.5)
Gen. Ed. (01)	3
Gen. Ed. (19)	2
MAT 107 and 108 or 109	3
TOTAL	**16**

Second Semester

CSC 177 or CIS 212	3
Gen. Ed (02)	3
Gen. Ed. (13)	3
GEO 215	3
Gen. Ed. (17)	1
MAT 108 and 107 or 109	3
TOTAL	**16**

Sophomore Year

First Semester

AVN 220	3
ECO 230	3
Gen. Ed. (05)	3
Gen. Ed. (07)	3
PHY 131	5
TOTAL	**17**

Second Semester

ECO 231	3
Gen. Ed. (06)	3
Gen. Ed. (18)	1
MAT 211 or 124	3
PHY 132	5
TOTAL	**15**

Junior Year

First Semester

AVN 315	3
AVN 340	3
Gen. Ed. (10)	3
MGT 300	3
Free Elective	1
Gen. Ed. (20)	3
UWR	
TOTAL	**16**

Second Semester

AVN 349 or 365	3
AVN 390	3
Gen. Ed. (11)	3
MGT 480	3
PSY 202	3
STA 215	3
TOTAL	**18**

Senior Year

First Semester

AVN 325	3
AVN 350	3
AVN 360	3
AVN 410	3
Restricted Elective	3
TOTAL	**15**

Second Semester

AVN 370	3
AVN 425	3
AVN 460	3
AVN 470 or 498	3
Free Elective	3
TOTAL	15

Suggested Curriculum Guide for Broadcasting and Electronic Media (B.A.)

Freshman Year

First Semester

ATO 100	1
COM 200	3
BEM 240	3
Gen. Ed. (17)	1
Gen. Ed (01)	3
Gen. Ed. (19)	2
Gen Ed (09)	3
TOTAL	**16**

Second Semester

Free Elective	3
BEM 295	3
Gen. Ed. (02)	3
Gen. Ed. (10)	3
Gen. Ed. (07)	3
TOTAL	**15**

Sophomore Year

First Semester

COM 201	3
BEM 300	3
Gen. Ed. (13)	3
Gen Ed. (18)	1
Gen. Ed. (05)	3
Gen. Ed. (03)	3
TOTAL	**16**

Second Semester

COM 301	3
BEM 395 or 370	3
Gen. Ed. (11)	3
Gen. Ed. (06)	3
Gen Ed. (21)	3
TOTAL	**15**

Junior Year

First Semester

BEM 375	3
BEM/COM Elective	3
BEM 415 or COM 405	3
Free Elective	3
Gen. Ed. (14)	3
BEM/COM Elective	3
UWR	
TOTAL	**18**

Second Semester

BEM/COM Elective	3
COM Elective	3
Gen. Ed (15)	3
Free Electives	6
COM 491	1
TOTAL	**16**

Senior Year

First Semester

Gen. Ed (04, 08, 12, or 16)	3
Free Electives	5
Gen. Ed. (20)	2
Restricted Elective	3
BEM/COM Elective	3
TOTAL	**16**

Second Semester

Gen. Ed. (04, 08, 12, or 16)	3
Free Electives	13
TOTAL	**16**

Suggested Curriculum Guides for Business and Marketing Education/Teaching (B.S.)

Freshman Year

First Semester

CBO 100*	1
ACS 200	3
EDF 103	2
Gen. Ed. (01)*	3
Gen. Ed. (17)	1
Gen. Ed. (19)	2
MAT 107	3
TOTAL	**15**

Second Semester

ACC 201	3
CIS 212 or CSC 104***	3
Gen. Ed (02)*	3
Gen. Ed. (07)	3
Gen. Ed. (13 or 14)	3
Gen. Ed. (18)	1
TOTAL	**16**

Sophomore Year

First Semester

ACC 202	3
ACS 201	3
ECO 230	3
EDF 203	2
GBU 204	3
QMB 200	3
TOTAL	**17**

Second Semester

ACC 250	1
CIS 300	3
ECO 231	3
EPY 319	4
Gen. Ed. (05)	3
MKT 300	3
TOTAL	**17**

Junior Year

First Semester

ACS 290 or CIS 230	3
EDF 413	2
Gen. Ed (15)	3
Gen. Ed (20)	2-3
MGT 300	3
SED 401	3
UWR	
TOTAL	**16-17**

Second Semester

ACS 303	3
ECO 324	3
EMG 430	3
ESE 498*	3
Gen. Ed. (10)	3
MKT Elective (Choose one 304, 310, 320 or 400)	3
TOTAL	**18**

Senior Year

First Semester

FIN 300	3
Gen. Ed. (06)	3
Gen Ed. (11)	3
Gen. Ed. (13 or 14)	3
MGT 340	3
Restricted Elective	2-3
TOTAL	**17-18**

Second Semester (Student Teaching in Spring only for Business Ed)

ESE 473	3
ESE 499*	12
TOTAL	**15**

*Course must be taken in respective semester.
** Students who have had no previous instruction in typewriting will also take ACS 106.
*** College of Education majors must pass CIS 212, CSC 104 or a computer literacy exam.

Suggested Curriculum Guide for Child and Family Studies/Child Development Option (B.S.) Area Major

Freshman Year

First Semester

ATO 100	1
Gen. Ed (01)	3
Gen. Ed (09)	3
Gen. Ed (17)	1
CSC 104 or CIS 212 (03)	3
SED 104	3
CDF 132	3
TOTAL	**17**

Second Semester

Gen. Ed (02)	3
Gen. Ed (10)	3
Gen. Ed (13)	3
Gen. Ed (18)	1
Gen. Ed. (21)	3
CDF 241	3
TOTAL	**16**

Sophomore Year

First Semester

Gen. Ed (05)	3
Gen. Ed. (11)	3
Gen. Ed (14)	3
Gen. Ed. (19)	2
CDF 248	3
Minor Elective	3
TOTAL	**17**

Second Semester

Gen. Ed (06)	3
Gen. Ed. (04, 08, 12, or 16)	3
Gen. Ed. (15)	3
Gen. Ed (20)	2-3
CDF 244	3
CDF 344	3
TOTAL	**17-18**

Junior Year

First Semester

Gen. Ed. (04, 08, 12, or 16)	3
Gen. Ed. (07)	3
NFA 317	3
CDF 345	3
Minor Elective	3
UWR	
TOTAL	**15**

Second Semester

CDF 247	3
CDF 346	3
SWK 456	3
Minor Electives	6
Restricted Elective	3
TOTAL	**18**

Senior Year

First Semester

Free Elective	3
NSC 500	3
OTS 515	3
SED 518	3
Minor Electives	6
TOTAL	**18**

Second Semester

CDF 350	6
CDF 547	3
CDF 548	3
TOTAL	**12**

Suggested Curriculum Guide for Child and Family Studies/Family Studies Option (B.S.) Area Major

Freshman Year

First Semester

ATO 100	1
Gen. Ed (01)	3
Gen. Ed (09)	3
Gen. Ed (17)	1
CSC 104 or CIS 212 (03)	3
CDF 132	3
Free Elective	3
TOTAL	**17**

Second Semester

Gen. Ed (02)	3
Gen. Ed (10)	3
Gen. Ed (13)	3
Gen. Ed (18)	1
Gen. Ed (21)	3
CDF 241	3
TOTAL	**16**

Sophomore Year

First Semester

Gen. Ed (05)	3
Gen. Ed (11)	3
Gen. Ed (14)	3
Gen. Ed. (20)	2-3
CDF 244	3
Restricted Elective	3
TOTAL	**17-18**

Second Semester

Gen. Ed (06)	3
Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed (15)	3
Gen. Ed (19)	2
CDF 243	3
Minor Elective	3
TOTAL	**17**

Junior Year

First Semester

Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed (07)	3
CDF 232 or 331	3
CDF 345	3
NFA 317	3
Minor Elective	3
UWR	
TOTAL	**18**

Second Semester

CDF 247	3
CDF 342	3
FMS 352	3
Minor Electives	6
Free Elective	1
TOTAL	**16**

Senior Year

First Semester

CDF 441	3
CDF 538	3
SWK 456	3
Minor Electives	6
TOTAL	**15**

Second Semester

CDF 443	6
NSC 500	3
OTS 515	3
TOTAL	**12**

Suggested Curriculum Guide for Child and Family Studies/Interdisciplinary Early Childhood Education Option (B.S.)

Freshman Year

First Semester

ATO 100	1
Gen. Ed (01)	3
CDF 241	3
CDF 132	3
Gen. Ed. (04, 08, 12, or 16)	3
Gen. Ed (17)	1
CSC 104 or CIS 212	3
TOTAL	**17**

Second Semester

Gen. Ed. (02)	3
SED 104	3
CDF 244	3
Gen. Ed (18)	1
Gen. Ed (21)	3
Gen. Ed (13)	3
TOTAL	**16**

Sophomore Year

First Semester

EDF 103	2
CDF 248	3
Gen. Ed (05)	3
Gen. Ed. (09) and Gen. Ed (14)	6
Restricted Electives	3
TOTAL	**17**

Second Semester

EDF 203	2
CDF 344	3
CDF 247	3
SED 360	3
Gen. Ed (06) and Gen. Ed (10)	6
TOTAL	**17**

Junior Year

First Semester

CDF 345	3
SED 352	3
CDF 346	3
SED 518	3
Gen. Ed (07) and Gen. Ed. (11)	6
UWR	
TOTAL	**18**

Second Semester

NFA 317	3
NSC 500	3
SWK 456	3
SED 341	3
SED 436	3
Gen. Ed (20)	2
TOTAL	**17**

Senior Year

First Semester

ELE 519	3
CDF 547	3
Gen. Ed. (19)	2
OTS 515	3
Gen. Ed (15) and Gen. Ed (04, 08, 12, or 16)	6
TOTAL	**17**

Second Semester

CDF 499	12
TOTAL	**12**

Suggested Curriculum Guide for Computer Electronic Networking (B.S.)

Freshman Year

First Semester

ATO 100	1
CSC 177	3
ENG 101 or 105	3
HPR 180	1
MAT 107	3
EET 251	3
EET 252	3
TOTAL	**17**

Second Semester

ENG 102 or 105	3
MAT 108	3
HEA 281	2
EET 253	3
EET 257	3
TEC 161	3
TOTAL	**17**

Sophomore Year

First Semester

ECO 230	3
MAT 261	3
HPR 282	1
CSC 190	3
EET 254	3
EET 302	3
TOTAL	**16**

Second Semester

STA 270	3
PHY 131	5
Gen. Ed. (07)	3
EET 354	3
Gen. Ed. (20)	2
TOTAL	**16**

Junior Year

First Semester

MFG 202	3
Gen. Ed (05)	3
EET 303	3
EET 351	3
Gen. Ed (10)	3
UWR	
TOTAL	**15**

Second Semester

MFG 308	3
PHY 132	5
Restrictive Elective	3
EET 352	3
TEC 349	3
TOTAL	**17**

Senior Year

First Semester

MFG 406	3
Gen. Ed (11)	3
Gen. Ed (13)	3
EET 406	3
EET 440	3
TOTAL	**15**

Second Semester

MFG 408	3
Gen. Ed (06)	3
Free Electives	3
EET 452	3
EET 403	3
TOTAL	**15**

Suggested Curriculum Guide for Computer Information Systems (B.B.A.)

Freshman Year

First Semester

CBO 100*	1
Gen. Ed (01)*	3
Gen. Ed. (03)	3
Gen. Ed. (13 or 14)	3
Gen. Ed. (17)	1
MAT 107 or 211	3
SOC 131	3
TOTAL	**17**

Second Semester

Gen. Ed (02)*	3
Gen. Ed (07)	3
Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed. (18)	1
Gen. Ed. (19)	2
QMB 200	3
TOTAL	**15**

Sophomore Year

First Semester

ACC 201	3
CIS 215	1
ECO 230	3
Gen Ed (05)	3
Gen. Ed (10 or 11)	3
Gen. Ed. (15)	3
TOTAL	**16**

Second Semester

ACC 202	3
CIS 250	3
ECO 231	3
GBU 204	3
Gen. Ed. (20)	2-3
TOTAL	**14-15**

Junior Year

First Semester

CIS 300	3
CIS 355	3
CIS 380	3
FIN 300	3
Gen. Ed (06)	3
MGT 300	3
UWR	
TOTAL	**18**

Second Semester

ACS 300	3
CIS 435	3
ECO (upper division)	3
Gen Ed (10 or 11)	3
Gen. Ed. (13 or 14)	3
MGT 340	3
TOTAL	**18**

Senior Year

First Semester

CIS Elective	3
Free Elective	2-3
Gen. Ed (04, 08, 12, or 16)	3
MGT 370	3
MKT 300	3
TOTAL	**14-15**

Second Semester

Business Elective	3
CIS Elective	3
CIS 480	3
GBU 480*	3
Restricted Elective	3
TOTAL	**15**

*Courses must be taken in semester indicated (GBU 480 must be taken in final semester).

Suggested Curriculum Guide for Construction Technology (B.S.)

Freshman Year

First Semester

ATO 100	1
CON 121	3
Gen. Ed (01)	3
MAT 108	3
TEC 161	3
Gen. Ed. (10)	3
TOTAL	**16**

Second Semester

CON 201	3
Gen. Ed. (02)	3
CON 294	3
Gen. Ed. (17)	1
GLY 108	3
Gen. Ed. (11)	3
TOTAL	**16**

Sophomore Year

First Semester

CON 202	3
CON 221	3
Gen. Ed. (19)	2
PHY 131	5
Gen. Ed. (20)	2
TOTAL	**15**

Second Semester

CON 320	3
Gen. Ed. (18)	1
CON 303	3
PHY 132	5
Gen. Ed. (07)	3
TOTAL	**15**

Summer

CON 349	3
TOTAL	**3**

Junior Year

First Semester

CON 322	3
CON 323	3
Gen. Ed. (13)	3
ACC 201	3
ECO 230	3
UWR	
TOTAL	**15**

Second Semester

MAT 261	3
CON 307	3
CON 423	3
CON 324	3
Gen. Ed (05)	3
TOTAL	**15**

Summer

CON 349	3
TOTAL	**3**

Senior Year

First Semester

Business Elective	3
CON 420	3
CON 421	3
MGT 300	3
Gen. Ed (06)	3
TOTAL	**15**

Second Semester

Upper Division Business Elective	3
Business Elective	3
CON 425	3
CON 426	3
Restricted Elective	3
TOTAL	**15**

Suggested Curriculum Guide for Family and Consumer Sciences Education/Teaching (B.S.) Area Major

Freshman Year

First Semester

EDF 103	2
Gen. Ed (01)	3
CHE 105	4
ATO 100	1
NFA 121	3
CDF 132	3
Gen. Ed. (17)	1
TOTAL	**17**

Second Semester

Gen. Ed (02)	3
Gen. Ed (15)	3
NFA 201	3
Gen. Ed. (18)	1
ADM 102	3
Gen. Ed. (09)	3
TOTAL	**16**

Sophomore Year

First Semester

EDF 203	2
IDH 121	3
Gen. Ed. (05)	3
Gen. Ed (03)	3
Gen. Ed (21)	3
CDF 244	3
TOTAL	**17**

Second Semester

NFA 321	3
Gen. Ed (06)	3
Gen. Ed. (10)	3
ADM 201	3
IDH 320	3
CDF 241 or CDF 331 or CDF 342	3
TOTAL	**18**

Junior Year

First Semester

BIO 301	3
BIO 378	1
FRM 352	3
Family and Consumer Sciences Elective	3
Gen. Ed. (07)	3
Gen. Ed. (11)	3
EPY 413	2
UWR	
TOTAL	**18**

Second Semester

EPY 319	4
Restricted Elective	3
Gen. Ed (19)	2
Family and Consumer Sciences Elective	3
Gen. Ed. (04, 08, 12, or 16)	6
TOTAL	**18**

Senior Year

First Semester

ESE 366	4
ESE 498	3
Gen. Ed (20)	2
Family and Consumer Sciences Elective	3
FRM 453	3
SED 401	3
TOTAL	**18**

Second Semester

ESE 453	3
ESE 499	12
TOTAL	**15**

Suggested Curriculum Guide for Finance/General Finance Option (B.B.A.)

Freshman Year

First Semester

CBO 100*	1
Free Elective	0-1
Gen Ed (01)*	3
Gen Ed (13 or 14)	3
Gen. Ed (17)	1
MAT 107	3
SOC 131	3
TOTAL	**14-15**

Second Semester

Gen. Ed (02)*	3
Gen. Ed (04, 08, 12 or 16)	3
Gen. Ed (10 or 11)	3
Gen. Ed (13 or 14)	3
Gen. Ed (18)	1
Gen. Ed (19)	2
TOTAL	**15**

Sophomore Year

First Semester

ACC 201	3
ECO 230	3
Gen Ed (07)	3
Gen. Ed (10 or 11)	3
Gen. Ed (15)	3
TOTAL	**15**

Second Semester

ACC 202	3
ECO 231	3
GBU 204	3
Gen. Ed (05)	3
Gen. Ed (20)	2-3
QMB 200	3
TOTAL	**17-18**

Junior Year

First Semester

ACS 300	3
FIN 300*	3
Gen. Ed (04, 08, 12, or 16)	3
MGT 300*	3
QMB 300	3
UWR	
TOTAL	**15**

Second Semester

CIS 300	3
FIN 301	3
FIN 324	3
MGT 340	3
MKT 300	**3**
TOTAL	**15**

Senior Year

First Semester

ECO (upper division)	3
FIN 350	3
FIN 401	3
FIN 405	3
MGT 370	3
Restricted Elective	3
TOTAL	**18**

Second Semester

FIN 420	3
FIN 455	3
GBU 480*	3
Gen. Ed. (03)	3
RST 310, ECO 300, 350, 351, or 420	3
TOTAL	**15**

*Courses must be taken in semester indicated (GBU 480 must be taken in final semester).
**Courses may be taken in any semester.

Suggested Curriculum Guide for Finance/Managerial Finance Option (B.B.A.)

Freshman Year

First Semester

CBO 100*	1
Free Elective	0-1
Gen. Ed (01)*	3
Gen. Ed (13 or 14)	3
Gen. Ed (17)	1
MAT 107	3
SOC 131	3
TOTAL	**14-15**

Second Semester

Gen. Ed (02)*	3
Gen. Ed (04, 08, 12 or 16)	3
Gen. Ed (10 or 11)	3
Gen. Ed. (13 or 14)	3
Gen. Ed. (18)	1
Gen. Ed (19)	2
TOTAL	**15**

Sophomore Year

First Semester

ACC 201	3
ECO 230	3
Gen. Ed (07)	3
Gen. Ed. (10 or 11)	3
Gen. Ed. (15)	3
TOTAL	**15**

Second Semester

ACC 202	3
ECO 231	3
GBU 204	3
Gen. Ed (05)	3
Gen. Ed. (20)	2-3
QMB 200	3
TOTAL	**17-18**

Junior Year

First Semester

ACC 301	3
ACS 300	3
FIN 300*	3
MGT 300	3
QMB 300	3
UWR	
TOTAL	**15**

Second Semester

ACC 302	3
CIS 300	3
FIN 301	3
Gen. Ed. (06)	3
MGT 340	3
MKT 300	3
TOTAL	**18**

Senior Year

First Semester

ACC 327	3
ECO (upper division)	3
FIN 350	3
FIN 401	3
Gen. Ed (04, 08, 12 or 16)	3
MGT 370	3
TOTAL	**18**

Second Semester

ACC 350	3
FIN 455	3
GBU 480*	3
Gen Ed. (03)	3
Restricted Elective	3
TOTAL	**15**

*Courses must be taken in semester indicated (GBU 480 must be taken in final semester).
**Courses may be taken in any semester.

Suggested Curriculum Guide for Finance/Real Estate Option (B.B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CBO 100*	1	ACC 201	3	ACS 300	3	FIN 302	3
Free Elective	0-1	ECO 230	3	FIN 300*	3	MGT 370	3
Gen. Ed. (01)*	3	Gen. Ed (05)	3	Gen. Ed (04, 08, 12, or 16)	3	MKT 300	3
Gen. Ed. (13 or 14)	3	Gen. Ed. (10 or 11)	3	RST 310*	3	RST 401	3
Gen. Ed. (17)	1	Gen. Ed. (15)	3	RST 320	3	ECO (Upper Division)	3
MAT 107 or 211	3	**TOTAL**	**15**	QMB 300	3	**TOTAL**	**15**
SOC 131	3	**Second Semester**		UWR		**Second Semester**	
TOTAL	**14-15**	ACC 202	3	**TOTAL**	**18**	FIN 350	3
Second Semester		ECO 231	3	**Second Semester**		GBU 480*	3
Gen. Ed (02)*	3	GBU 204	3	CIS 300	3	Gen. Ed. (04, 08, 12, or 16)	3
Gen. Ed. (07)	3	Gen. Ed. (10 or 11)	3	FIN 301	3	Gen Ed (03)	3
Gen. Ed (13 or 14)	3	Gen. Ed. (20)	2-3	Gen. Ed (06)	3	Restricted Elective	3
Gen. Ed. (18)	1	**TOTAL**	**14-15**	MGT 300	3	RST 410	3
Gen Ed (19)	2			MGT 340	3	**TOTAL**	**18**
QMB 200	3			RST 330	3		
TOTAL	**15**			**TOTAL**	**18**		

*Courses must be taken in semester indicated (GBU 480 must be taken in final semester).

Suggested Curriculum Guide for General Business/General Business Option (B.B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CBO 100*	1	ACC 201	3	ACS 300	3	CIS 400	3
Gen. Ed (01)*	3	ECO 231	3	FIN 300*	3	Business Elective	3
Gen. Ed. (03)	3	Gen. Ed (05 or 06)	3	GBU 201 or Gen. Ed (15)	3	ECO (upper division)	3
Gen. Ed. (10 or 11)	3	Gen. Ed. (10 or 11)	3	MGT 300*	3	Gen. Ed (04, 08, 12, or 16)	3
Gen Ed (13 or 14)	3	Gen. Ed. (20)	2-3	MGT 340	3	Free Elective	0-1
Gen. Ed. (17)	1	**TOTAL**	**14-15**	MKT 300*	3	MGT 320, 330, 406, 430, or 470	3
MAT 107 or 211	3	**Second Semester**		UWR		**TOTAL**	**15-16**
TOTAL	**17**	ACC 202	3	**TOTAL**	**18**	**Second Semester**	
Second Semester		GBU 204	3	**Second Semester**		Business Electives	6
ECO 230	3	Gen. Ed (05 or 06)	3	CIS 300	3	GBU 480*	3
Gen. Ed (02)*	3	QMB 200	3	FIN 301, 302, 304, 324, or 330	3	Restricted Elective	3
Gen. Ed (07)	3	SOC 131	3	GBU 201 or Gen. Ed (15)	3	Upper Division MGT, MKT or FIN	3
Gen. Ed (13 or 14)	3	**TOTAL**	**15**	Gen. Ed. (04, 08, 12 or 16)	3	**TOTAL**	**15**
Gen. Ed. (18)	1			400 level MKT	3		
Gen. Ed (19)	2			MGT 370	3		
TOTAL	**15**			**TOTAL**	**18**		

*Course must be taken in semester indicated (GBU 480 must be taken in final semester).

Suggested Curriculum Guide for General Business/International Business Option (B.B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CBO 100*	1	ACC 201	3	ACS 300	3	CIS 400	3
Gen. Ed (01)*	3	ECO 231	3	FIN 300*	3	ECO (upper division)	3
Gen. Ed. (03)	3	Foreign Language	3	MGT 300*	3	Free Elective	0-1
Gen. Ed. (10 or 11)	3	Gen. Ed (05 or 06)	3	MGT 340	3	GBU 201 or Gen. Ed (15)	3
Gen. Ed. (13 or 14)	3	Gen. Ed. (10 or 11)	3	MKT 300*	3	MGT 430, MKT 400, or FIN 330	3
Gen. Ed. (17)	1	Gen. Ed. (20)	2-3	UWR		Upper Division Business Elective	3
MAT 107 or 211	3	**TOTAL**	**17-18**	**TOTAL**	**15**	**TOTAL**	**15-16**
TOTAL	**17**	**Second Semester**		**Second Semester**		**Second Semester**	
Second Semester		ACC 202	3	CIS 300	3	GBU 480*	3
ECO 230	3	Foreign Language	3	GBU 201 or Gen. Ed (15)	3	Gen Ed (04, 08, 12, or 16	3
Gen. Ed. (02)*	3	GBU 204	3	Gen. Ed. (04, 08, 12, or 16	3	MGT 430, MKT 400, or FIN 330	3
Gen. Ed. (07)	3	Gen. Ed (05 or 06)	3	MGT 370	3	Restricted Elective	3
Gen. Ed. (13 or 14)	3	QMB 200	3	MGT 430, MKT 400, or FIN 330	3	Upper Division Business Elective	3
Gen. Ed. (18)	1	SOC 131	3	**TOTAL**	**15**	**TOTAL**	**15**
Gen. Ed. (19)	2	**TOTAL**	**18**				
TOTAL	**15**						

*Courses must be taken in semester indicated (GBU 480 must be taken in final semester).
** Courses may be taken in any semester.

Suggested Curriculum Guide for General Dietetics (B.S.) Area Major

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
NFA 121	3	NFA 317	3	NFA 323	3	NFA 411	2
NFA 202	1	NFA 325	2	BIO 273	4	NFA 412	1
ATO 100	1	NFA 326	2	HEA 450	3	NFA 445	3
CHE 101	4	NFA 344	3	Gen. Ed. (05)	3	NFA 501	3
Gen. Ed. (01)	3	CIS 212 or CSC 104	3	Gen. Ed. (10)	3	NFA 515	2
Gen. Ed. (09)	3	Gen. Ed. (07)	3	Gen. Ed. (18)	1	Speech Elective	2
Gen. Ed. (17)	1	Restricted Elective	2	UWR		**TOTAL**	**13**
TOTAL	**16**	**TOTAL**	**18**	**TOTAL**	**17**	**Second Semester**	
Second Semester		**Second Semester**		**Second Semester**		FRM 352	3
NFA 201	3	FSC 303	3	NFA 301 or CHE 330	3-4	NFA 402	2
CHE 102	4	NFA 302	3	ACC 201	3	NFA 403	1
Gen. Ed. (02)	3	NFA 321	3	Gen. Ed. (06)	3	Gen. Ed. (03)	3
HEA 281	2	NFA 349	1	Gen. Ed. (11)	3	Free Electives	4
PSY 202	3	BIO 301	3	Restricted Elective	1	**TOTAL**	**13**
Math Elective	3	MGT 300	3	Free Electives	3-4		
TOTAL	**18**	**TOTAL**	**16**	**TOTAL**	**17**		

Suggested Curriculum Guide for Health Care Administration (B.B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CBO 100*	1	ACC 201	3	ACC 300**	3	ECO 570*	3
Gen. Ed. (01)*	3	ACS 280	3	ACS 300	3	Gen. Ed. (04, 08, 12,	
Gen. Ed. (03)	3	ECO 230	3	Gen. Ed. (10 or 11)	3	or 16)	3
Gen. Ed. (13)	3	Gen. Ed. (05 or 06)	3	Gen. Ed. (15)	3	HEA 455**	3
Gen. Ed. (17)	1	Gen. Ed. (20)	2-3	MGT 300	3	MGT 320	3
MAT 107 or 211	3	**TOTAL**	**14-15**	MKT 300	3	MGT 340	3
SOC 131	3	**Second Semester**		UWR		**TOTAL**	**15**
TOTAL	**17**	ACC 202	3	**TOTAL**	**18**	**Second Semester**	
Second Semester		ECO 231	3	**Second Semester**		AHN 570**	3
Gen. Ed. (02)*	3	GBU 204	3	CIS 300	3	Free Elective	0-1
Gen. Ed. (07)	3	Gen. Ed. (05 or 06)	3	ECO (upper division)	3	GBU 480***	3
Gen. Ed. (14)	3	Gen. Ed. (04, 08, 12,		FIN 300	3	HCA 375**	3
Gen. Ed. (18)	1	or 16)	3	Gen. Ed. (10 or 11)	3	MGT 370	3
Gen. Ed. (19)	2	**TOTAL**	**15**	HCA 370**	3	Restricted Elective	3
QMB 200	3			HEA 416**	3	**TOTAL**	**15-16**
TOTAL	**15**			**TOTAL**	**18**		
						Summer	
						HCA 349	4

Usually completed during summer following third or fourth academic years.
*Course must be taken in semester indicated.
**Course is only offered once a year. ***GBU 480 must be taken in final semester

Suggested Curriculum Guide for Horticulture with a Minor in Business (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
ATO 100	1	AGR 213	4	AGR 308	3	Business Elective	3
OHO 131	3	AGR 215	3	OHO 372	3	OHO 391 or 384	3
OHO 132	1	OHO 371	3	OHO 351	4	Free Elective (UD)	3
Gen. Ed. (01)	3	Gen. Ed. (05)	3	Gen. Ed. (03)	3	Gen. Ed. (15)	3
BIO 131	4	ECO 230	3	Business Elective	3	Gen. Ed. (07)	3
Gen. Ed. (17)	1	**TOTAL**	**16**	UWR		Gen. Ed. (04, 08,	
Gen. Ed. (21)	3	**Second Semester**		**TOTAL**	**16**	or 16)	1
TOTAL	**16**	Restricted Elective	3	**Second Semester**		**TOTAL**	**16**
Second Semester		Business Elective	3	AGR 315	2	**Second Semester**	
AGR 210	2	OHO 370/384 or 385	3	OHO 301, 349 or 389	4	Gen. Ed. (19)	2
ECO 230	3	OHO/AGR Elective (UD)	3	Gen. Ed. (20)	2	AGR 304	4
CHE 101	4	Gen. Ed. (06)	3	Free Elective	3	Business Elective	3
Gen. Ed. (02)	3	**TOTAL**	**16**	Business Elective	3	AGR 411	1
Gen. Ed. (18)	1			Gen. Ed. (10)	3	Gen. Ed. (11)	3
OHO/AGR Elective	3			**TOTAL**	**17**	Free Electives	2
TOTAL	**16**					OHO/AGR Electives	
						(UD)	1
						TOTAL	**16**

Suggested Curriculum Guide for Horticulture/Floriculture/Greenhouse Management (B.S.)

Freshman Year

First Semester

ATO 100	1
OHO 131	3
OHO 132	1
Gen Ed. (01)	3
Gen Ed. (21)	3
Gen Ed. (17)	1
OHO 301	1
Free Elective	3
TOTAL	**16**

Second Semester

AGR 210	2
AGR 213	4
CHE 101	4
Gen. Ed. (02)	3
Restricted Elective	3
TOTAL	**16**

Sophomore Year

First Semester

OHO 362E	1
AGR 215	3
ECO 230	3
BIO 131	4
Gen. Ed. (05)	3
Gen. Ed. (20)	2
TOTAL	**16**

Second Semester

Gen. Ed. (18)	4
Gen. Ed (06)	3
Gen. Ed (10)	3
AGR 315	2
OHO 364	2
OHO 352	2
ACC 201	3
TOTAL	**19**

Junior Year

First Semester

AGR 308	3
OHO 384 or 385	3
OHO 349	2
Gen Ed (07)	3
Gen. Ed (04, 08, 12, or 16)	1
OHO 351	4
UWR	
TOTAL	**16**

Second Semester

AGR 304	4
OHO 388	3
Gen. Ed (11)	3
CIS 212, CSC 104 or ACS 201	3
Free Electives	3
TOTAL	**16**

Senior Year

First Semester

AGR 417	3
OHO 389	3
AGR 409	3
Gen Ed (15)	3
Gen Ed (19)	2
AGR/OHO Elec	2
TOTAL	**16**

Second Semester

AGR 411	1
OHO 349	2
Gen Ed (04, 08, 12, or 16)	3
AGR/OHO Elec.	5
Free Elective	5
TOTAL	**16**

Suggested Curriculum Guide for Horticulture/Landscape Horticulture (B.S.)

Freshman Year

First Semester

ATO 100	1
OHO 131	3
OHO 132	1
Gen. Ed (01)	3
Gen. Ed (21)	3
Gen. Ed (17)	1
Free Elective	3
TOTAL	**15**

Second Semester

AGR 210	2
AGR 213	4
CHE 101	4
Gen. Ed (02)	3
Gen. Ed (18)	1
Restricted Elective	3
TOTAL	**17**

Sophomore Year

First Semester

OHO 261	3
AGR 215	3
BIO 131	4
Gen. Ed (05)	3
Gen. Ed (10)	3
TOTAL	**16**

Second Semester

AGR 315	2
OHO 262	3
ECO 230	3
Gen. Ed (20)	2
Gen. Ed (06)	3
ACC 201	3
TOTAL	**16**

Junior Year

First Semester

AGR 308	3
OHO 370	3
OHO 351	4
Gen. Ed. (07)	3
Free Elective	3
UWR	
TOTAL	**16**

Second Semester

AGR 304	4
OHO 371 or 372	3
OHO 349	2
Gen. Ed. (11)	3
CIS 212, CSC 104 or ACS 201	3
Free Electives	2
TOTAL	**17**

Senior Year

First Semester

OHO 391	3
OHO 349	2
AGR 409	3
Gen Ed. (15)	3
Gen Ed. (19)	2
AGR/OHO Elec.	3
TOTAL	**16**

Second Semester

AGR 411	1
OHO 392	3
Gen Ed. (04, 08, 12, or 16)	4
AGR/OHO Elec.	4
Free Elective	3
TOTAL	**15**

Suggested Curriculum Guide for Horticulture/Turfgrass Production (B.S.)

Freshman Year

First Semester

ATO 100	1
OHO 131	3
OHO 132	1
Gen. Ed. (01)	3
Gen. Ed. (21)	3
Gen. Ed. (17)	1
CHE 101	4
TOTAL	**16**

Second Semester

AGR 215	3
AGR 210	2
ECO 230	3
Gen. Ed. (02)	3
Gen. Ed. (18)	1
AGR 213	4
TOTAL	**16**

Sophomore Year

First Semester

AGR 308	3
AGR 315	2
Gen. Ed. (10)	3
AGR 362	2
Gen. Ed (19)	2
BIO 131	4
TOTAL	**16**

Second Semester

OHO 370	3
OHO 352	2
AGR/OHO Elec. (UD)	3
CIS 212, CSC 104, or ACS 201	3
Gen. Ed (11)	3
Gen. Ed. (20)	2
TOTAL	**16**

Junior Year

First Semester

OHO 362G	1
Free Elective	1
OHO 351	4
AGR/OHO Elec. (UD)	2
Gen. Ed. (04, 08, 12, or 16)	3
OHO 301	1
OHO 362A	1
Gen. Ed. (05)	3
UWR	
TOTAL	**16**

Second Semester

AGR 304	4
OHO 410	2
AGR 409	3
Restricted Elective	3
Gen Ed (06)	3
TOTAL	**15**

Summer

OHO 349	4
TOTAL	**4**

Senior Year

First Semester

Free Elective	3
ACC 201	3
OHO 354	2
Gen. Ed (07)	3
Gen. Ed (15)	3
Gen. Ed (04, 08, 12, or 16)	1
TOTAL	**15**

Second Semester

AGR 416	3
AGR/OHO Elec. (UD)	3
Free Elective	7
AGR 411	1
TOTAL	**14**

*Agriculture Electives can be either AGR or OHO courses but must be upper division (>300).

Suggested Curriculum Guide for Interior Design (B.A.) Area Major

Freshman Year

First Semester

Gen. Ed. (01)	3
Gen. Ed. (20)	2
Gen. Ed. (21)	3
IDH 121	3
ART 152	3
ATO 100	1
TOTAL	**15**

Second Semester

Gen. Ed. (02)	3
Gen. Ed. (03)	3
Gen. Ed. (09)	3
Gen. Ed. (19)	2
ART 153	3
TOTAL	**14**

Sophomore Year

First Semester

IDH 221	3
IDH 229	3
ART 390	3
ADM 201	3
Gen. Ed. (05)	3
TOTAL	**15**

Second Semester

IDH 222	3
IDH 224	3
IDH 327	3
CON 250	3
ART 391	3
ADM 302	3
TOTAL	**18**

Junior Year

First Semester

IDH 322	3
IDH 328	3
IDH 330	3
TEC 331	3
Gen. Ed. (06)	3
Gen. Ed. (17)	1
UWR	
TOTAL	**16**

Second Semester

IDH 326	3
IDH 331	3
IDH 329	3
CON 350	3
Gen. Ed. (10)	3
TOTAL	**15**

Summer

IDH 428	6
TOTAL	**6**

Senior Year

First Semester

IDH 422	3
Gen. Ed. (13)	3
Gen. Ed. (11)	3
Gen. Ed. (18)	1
Supporting Course Elective	3
TOTAL	**13**

Second Semester

IDH 426	3
Gen. Ed. (14)	3
Gen. Ed. (15)	3
Gen. Ed. (04, 12, or 16)	3
Restricted Elective	3
Supporting Course Elective	1
TOTAL	**16**

*Studio Classes

Suggested Curriculum Guide for Journalism (B.A.)

Freshman Year

First Semester

ATO 100	1
COM 200	3
Gen. Ed (01)	3
Gen. Ed (21)	3
Gen. Ed (03)	3
Gen. Ed (19)	2
Gen. Ed. (17)	1
TOTAL	**16**

Second Semester

COM 201	3
Gen. Ed (02)	3
Gen Ed (07)	3
Gen. Ed. (18)	1
Free Electives	6
TOTAL	**16**

Sophomore Year

First Semester

Free Elective	1
COM 301	3
JOU 302	1
Gen. Ed (05)	3
Gen. Ed (09)	3
Gen. Ed (20)	2
Gen. Ed. (13)	3
TOTAL	**16**

Second Semester

JOU 305	3
JOU 325	3
JOU/COM Elective	1
Gen. Ed (06)	3
Gen. Ed. (10)	3
Gen Ed (14)	3
TOTAL	**16**

Junior Year

First Semester

JOU 310	3
JOU 401	3
JOU/COM Elective	1
Minor	3
Gen Ed (15)	3
Gen. Ed (11)	3
UWR	
TOTAL	**16**

Second Semester

COM 405	3
JOU/COM Elective	3
Minor	3
Restricted Elective	3
Gen. Ed. (04, 08, 12, or 16)	3
Free Elective	1
TOTAL	**16**

Senior Year

First Semester

JOU 425	3
COM 491	1
Minor	6
Gen. Ed (04, 08, 12, or 16)	3
Free Elective	3
TOTAL	**16**

Second Semester

JOU/COM Elective	3
Minor	6
Free Electives	7
TOTAL	**16**

Suggested Curriculum Guide for Management (B.B.A.)

Freshman Year

First Semester

CBO 100*	1
Gen. Ed. (01)*	3
Gen Ed (03)	3
Gen. Ed. (10 or 11)	3
Gen. Ed (13 or 14)	3
Gen Ed. (17)	1
MAT 107 or 211	3
TOTAL	**17**

Second Semester

ECO 230	3
Gen. Ed. (02)*	3
Gen. Ed (07)	3
Gen. Ed. (13 or 14)	3
Gen Ed. (18)	1
Gen Ed. (19)	2
TOTAL	**15**

Sophomore Year

First Semester

ACC 201	3
ECO 231	3
Gen Ed. (05 or 06)	3
Gen. Ed. (10 or 11)	3
Gen Ed. (20)	2-3
TOTAL	**14-15**

Second Semester

ACC 202	3
GBU 204	3
Gen Ed (05 or 06)	3
QMB 200	3
SOC 131	3
TOTAL	**15**

Junior Year

First Semester

ACS 300	3
FIN 300	3
Gen Ed. (15)	3
MGT 300*	3
MGT 340	3
MKT 300	3
UWR	
TOTAL	**18**

Second Semester

CIS 300	3
Gen. Ed. (04, 08, 12, or 16)	3
MGT 320*	3
MGT 370	3
MGT 400	3
Restricted Elective	3
TOTAL	**18**

Senior Year

First Semester

Business Elective	3
ECO (upper division)	3
Gen. Ed. (04, 08, 12, or 16)	3
MGT Elective (Choose two)	6
TOTAL	**15**

Second Semester

Business Elective	3
Free Elective	0-1
GBU 480*	3
MGT Elective (Choose two)	6
MGT 480	3
TOTAL	**15-16**

*Courses must be taken in semester indicated (GBU 480 must be taken in final semester)

Suggested Curriculum Guide for Management/Human Resource Management Option (B.B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CBO 100*	1	ACC 201	3	ACS 300	3	Business Elective	3
Gen. Ed. (01)*	3	ECO 231	3	FIN 300	3	ECO (upper division)	3
Gen. Ed (03)	3	Gen Ed. (20)	2-3	Gen. Ed (15)	3	Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed. (10 or 11)	3	Gen. Ed. (05 or 06)	3	MGT 300*	3	MGT 410*	3
Gen. Ed. (13 or 14)	3	Gen. Ed. (10 or 11)	3	MGT 340	3	MGT 440*	3
Gen. Ed. (17)	1	**TOTAL**	14-15	MKT 300	3	Restricted Elective	3
MAT 107 or 211	3	**Second Semester**		UWR		**TOTAL**	18
TOTAL	17	ACC 202	3	**TOTAL**	18	**Second Semester**	
Second Semester		GBU 204	3	**Second Semester**		Business Elective	3
ECO 230	3	Gen Ed (05 or 06)	3	CIS 300	3	Free Elective	0-1
Gen. Ed (02)*	3	QMB 200	3	Gen. Ed (04, 08, 12, or 16)	3	GBU 480*	3
Gen. Ed. (07)	3	SOC 131	3	MGT 320*	3	MGT 425*	3
Gen. Ed. (13 or 14)	3	**TOTAL**	15	MGT 370	3	MGT 445*	3
Gen. Ed. (18)	1			MGT 400	3	MGT 480	3
Gen. Ed. (19)	2			**TOTAL**	15	**TOTAL**	15-16
TOTAL	15						

Suggested Curriculum Guide for Manufacturing Technology (B.S.) Area Major

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
ATO 100	1	Gen. Ed (10)	3	ECO 300	3	Gen. Ed (06)	3
Gen. Ed. (01)	3	*MFG 201	3	Option Requirement	3	MFG 320 or MFG 352	3
Gen. Ed. (17)	1	*PHY 131	5	Gen Ed (11)	3	MFG 406	3
MAT 108	3	Gen. Ed (20)	2	MFG 310	3	Option Requirement	3
*MFG 101	3	*STA 270	3	Gen Ed. (05)	3	TEC 349	3
*TEC 161	3	**TOTAL**	16	UWR		Upper Division Elective	2
*TEC 190	3	**Second Semester**		**TOTAL**	15	**TOTAL**	17
TOTAL	17	ECO 230	3	**Second Semester**		**Second Semester**	
Second Semester		EET 252	3	Gen. Ed. (13)	3	Gen Ed (07)	3
Gen. Ed. (02)	3	*PHY 132 or CHE 101	4-5	MFG 308	3	MFG 408	3
Gen. Ed (19)	2	*MFG 202	3	MFG 371	3	MFG 499	3
Gen. Ed (18)	1	MFG 301	3	Option Requirement	6	Option Requirement	3
MAT 261	3	**TOTAL**	16-17	**TOTAL**	15	Upper Division Elective	2
*MFG 138	3					Restricted Elective	3
MFG 211	3					**TOTAL**	17
TOTAL	15						

*Courses that must be completed in first 64 hours

Suggested Curriculum Guide for Marketing (B.B.A.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
CBO 100*	1	ACC 201	3	ACS 300	3	Business Elective	3
Gen Ed (01)*	3	ECO 231	3	FIN 300	3	ECO (upper division)	3
Gen. Ed. (03)	3	Gen. Ed. (05 or 06)	3	MGT 300*	3	MKT Elective (choose two)	6
Gen. Ed. (13 or 14)	3	Gen Ed. (10 or 11)	3	MGT 340	3	MKT 455	3
Gen. Ed (17)	1	QMB 200	3	MKT 300	3	**TOTAL**	15
MAT 107 or 211	3	**TOTAL**	15	UWR		**Second Semester**	
SOC 131	3	**Second Semester**		**TOTAL**	15	Free Elective	0-1
TOTAL	17	ACC 202	3	**Second Semester**		GBU 480*	3
Second Semester		Gen. Ed (05 or 06)	3	CIS 300	3	Gen. Ed (04, 08, 12, or 16)	3
ECO 230	3	Gen. Ed. (15)	3	Gen. Ed (04, 08, 12, or 16)	3	MKT Elective (Choose two)	6
Gen. Ed. (02)*	3	GBU 204	3	MGT 370	3	Restricted Elective	3
Gen. Ed (07)	3	Gen. Ed. (10 or 11)	3	MKT Elective	3	**TOTAL**	15-16
Gen. Ed. (13 or 14)	3	Gen. Ed (20)	2-3	MKT 400	3		
Gen. Ed. (18)	1	**TOTAL**	17-18	MKT 450	3		
Gen Ed. (19)	2			**TOTAL**	18		
TOTAL	15						

*Courses must be taken in semester indicated (GBU 480 must be taken in final semester).

Suggested Curriculum Guide for Printing Management

Freshman Year
First Semester
ATO 100 ... 1
ENG 101 or or 105 or English Composition Honors ... 3
HEA 281 ... 2
HPR 180 ... 1
MAT 107 ... 3
MFG 211 ... 3
MFG 217 or COM 320 ... 3
TOTAL ... 16
Second Semester
ART 102 ... 3
TEC 161 ... 3
ENG 102 or 105 or English Composition Honors ... 3
HPR 282 ... 1
Gen. Ed. (13) ... 3
Gen. Ed. (20) ... 2
TOTAL ... 15

Sophomore Year
First Semester
ART 250 ... 3
CHE 101 ... 4
ENG 211 or HUM 225 ... 3
MFG 316 ... 3
TEC 313 ... 3
TOTAL ... 16
Second Semester
ACC 201 ... 3
EET 252 ... 3
ENG 212 or HUM 228 ... 3
MFG 317 ... 3
PHY 101 ... 3
TOTAL ... 15

Summer
TEC 349 ... 3
TOTAL ... 3

Junior Year
First Semester
ECO 220 ... 3
MFG 410 ... 3
MFG 318 ... 3
Gen. Ed. (07) ... 3
Gen. Ed (10) ... 3
UWR
TOTAL ... 15
Second Semester
MFG 202 ... 3
MFG 319 ... 3
GBU 204 ... 3
TEC 315 ... 3
Gen. Ed. (11) ... 3
TOTAL ... 15

Summer
TEC 349 ... 3
TOTAL ... 3

Senior Year
First Semester
ECO 230 ... 3
GAT 554 ... 3
MFG 412 ... 3
Gen. Ed. (03) ... 3
Gen. Ed. (04, 08, 12, or 16) ... 3
TOTAL ... 15
Second Semester
GAT 556 ... 3
MFG 408 ... 3
MFG 414 ... 3
Gen. Ed. (04, 08, 12, or 16) ... 3
Restricted Elective ... 3
TOTAL ... 15

Suggested Curriculum Guide for Public Relations (B. A.)

Freshman Year
First Semester
ATO 100 ... 1
COM 200 ... 3
Gen. Ed (01) ... 3
Gen. Ed (17) ... 1
Gen. Ed (19) ... 2
Gen. Ed. (04, 08, 12, or 16) ... 3
Gen. Ed (09) ... 3
TOTAL ... 16
Second Semester
Gen. Ed. (02) ... 3
Gen. Ed (18) ... 1
Gen. Ed (13) ... 3
POL 101 ... 3
Gen. Ed (07) ... 3
Gen. Ed (10) ... 3
TOTAL ... 16

Sophomore Year
First Semester
COM 201 ... 3
PUB 375 ... 3
BEM 295 ... 3
Gen. Ed (05)* ... 3
Gen. Ed (14) ... 3
Free Elective ... 1
TOTAL ... 16
Second Semester
ECO 130 ... 3
COM 301 ... 3
PUB 378 ... 1
Gen. Ed. (06) ... 3
Gen. Ed (03) ... 3
Gen. Ed (21) ... 3
TOTAL ... 16

Junior Year
First Semester
COM 320 ... 3
JOU 305 ... 3
Gen. Ed. (11) ... 3
Gen. Ed. (15) ... 3
Free Elective ... 5
UWR
TOTAL ... 17
Second Semester
COM 420 ... 3
PUB 380 ... 3
JOU 325 or TEC 313 ... 3
Free Elective ... 5
TOTAL ... 14

Senior Year
First Semester
BEM 375 ... 3
PUB 475 ... 3
COM 405 ... 3
Gen. Ed (20) ... 2
Restricted Elective ... 3
MGT 300 ... 3
TOTAL ... 17
Second Semester
COM 491 ... 1
PUB 490 ... 3
Free Electives ... 9
COM 309, 325, 425, MKT 300 or 320; MFG 211 ... 3
TOTAL ... 16

Suggested Curriculum Guide for Technology Education/(Teaching) (B.S.) Area Major

Freshman Year
First Semester
ATO 100 ... 1
Gen. Ed. (01) ... 3
Gen. Ed. (13) ... 3
Gen. Ed. (17) ... 1
Restricted Elective ... 3
TEC 190 ... 3
TTE 163 ... 3
TOTAL ... 17
Second Semester
CON 121 ... 3
CSC 177 ... 3
EDF 103 ... 2
Gen. Ed (02) ... 3
Gen. Ed (18) ... 1
MAT 107 ... 3
MFG 195 ... 3
TOTAL ... 18

Sophomore Year
First Semester
EDF 203 ... 2
Gen. Ed (19) ... 2
MFG 101 ... 3
PHY 131 or CHE 101 ... 4-5
TEC 161 ... 3
TTE 261 ... 3
TOTAL ... 17 - 18
Second Semester
EET 251 ... 3
MFG 138 ... 3
MFG 211 ... 3
Option Requirement ... 3
PHY 132 or CHE 102 ... 4-5
Gen Ed (04, 08, or 12) ... 3
TOTAL ... 19 - 20

Junior Year
First Semester
EPY 319 ... 4
Gen. Ed (05) ... 3
Gen. Ed (09) ... 3
Option Requirement ... 3
Gen. Ed (20) ... 2
TTE 361 ... 3
UWR
TOTAL ... 18
Second Semester
EPY 413 ... 2
Gen. Ed (06) ... 3
Gen. Ed (10) ... 3
Option Requirement ... 3
TTE 233 ... 3
TTE 462 ... 3
TOTAL ... 17

Senior Year
First Semester
SED 401 ... 3
ESE 498 ... 3
Gen. Ed (07) ... 3
Gen. Ed (11) ... 3
Option Requirement ... 3
TTE 465 ... 3
TOTAL ... 18
Second Semester
ESE 452 ... 3
ESE 499 ... 12
TOTAL ... 15

Suggested Curriculum Guide for Technology Education/(Teaching) (B.S.) First Major

Freshman Year

First Semester

ATO 100	1
Gen. Ed. (01)	3
Gen. Ed. (13)	3
Gen. Ed. (17)	1
Restricted Elective	3
TEC 190	3
TTE 163	3
TOTAL	**17**

Second Semester

Minor	3
CSC 177	3
EDF 103	2
Gen. Ed. (02)	3
Gen. Ed. (18)	1
MAT 107	3
MFG 195	3
TOTAL	**18**

Sophomore Year

First Semester

EDF 203	2
Gen. Ed. (19)	2
Minor	6
PHY 131 or CHE 101	4-5
TEC 161	3
TOTAL	**17-18**

Second Semester

TTE 261	3
EET 251	3
MFG 211	3
Minor	6
PHY 132 or CHE 102	4-5
TOTAL	**19-20**

Summer

Gen. Ed. (04, 08, or 12)	3
TOTAL	**3**

Junior Year

First Semester

EPY 319	4
Gen. Ed. (05)	3
Gen. Ed. (09)	3
Gen. Ed. (20)	2
TTE 361	3
TTE 461	3
UWR	
TOTAL	**18**

Second Semester

EPY 413	2
Gen. Ed. (06)	3
Gen. Ed. (10)	3
TTE 233	3
TTE 462	3
MFG 201 or TEC 349	3
MFG 371	3
TOTAL	**20**

Senior Year

First Semester

SED 401	3
ESE 498	3
Gen. Ed. (07)	3
Gen. Ed. (11)	3
Minor	3
TTE 465	3
TOTAL	**18**

Second Semester

ESE 452	3
ESE 499	12
TOTAL	**15**

Suggested Curriculum Guide for Vocational-Industrial and Technical Education/(Teaching) (B.S.) Area Major

Freshman Year

First Semester

ATO 100	1
Gen. Ed. (01)	3
Gen. Ed. (04, 08, 12, or 16)	3
Gen. Ed. (17)	1
Gen. Ed. (20)	2
TEC 161	3
Technical Elective Option	3
TOTAL	**16**

Second Semester

EET 251	3
Gen. Ed. (02)	3
Gen. Ed. (09)	3
Gen. Ed. (13)	3
Gen. Ed. (18)	1
MAT 107	3
TOTAL	**16**

Sophomore Year

First Semester

Gen. Ed. (05)	3
Gen. Ed. (10)	3
Gen. Ed. (19)	2
Restricted Elective	3
TTE 233	3
TTE 261	3
TOTAL	**17**

Second Semester

Gen. Ed. (03) or STA 270	3
Gen. Ed. (11)	3
Gen. Ed. (06)	3
Gen. Ed. (14)	3
Technical Elective Option	6
TOTAL	**18**

Junior Year

First Semester

Gen. Ed. (07)	3
TEC 349	9
VIT 363	3
UWR	
TOTAL	**15**

Second Semester

EPY 320	3
TTE 361	3
Technical Electives Option	9
TOTAL	**15**

Senior Year

First Semester

Gen. Ed. (15)	3
Technical Elective*	12
Gen. Ed. (04, 08, 12, or 16)	3
TOTAL	**18**

Second Semester

VIT 364	3
VIT 463**	12
TOTAL	**15**

*For those in the teaching option, laboratory courses in the area or related to the area that the individual is planning to teach. The selection must be approved by the advisor and department chair. Eighteen semester hours maximum may be allowed by proficiency examination (VIT 204, 205, and 206) for these electives. Nine semester hours, maximum, may be allowed for supervised work experience (TEC 349).

**In-service teachers should substitute VIT 363, 463 (4), 3 hours of professional elective, and SED 388 or EPY 320 for VIT 463 (12).

College of Education

Dr. M. Mark Wasicsko
(606) 622-3515

DEPARTMENT / AREA	CONTACT PERSON	PHONE
Administration, Counseling, and Educational Studies	Dr. Leonard Burns, Chair	(606) 622-1124
College of Education	Dr. Sue Reehm, Technology Coordinator	(606) 622-2168
College of Education	Dr. Elise Kirchoff, Computer Labs Manager	(606) 622-6292
		(606) 622-2962
Communication Disorders, Deaf and Hard of Hearing	Dr. Julien Bolling	(606) 622-1861
Curriculum and Instruction	Dr. Imogene Ramsey, Chair	(606) 622-2154
Elementary Education	Dr. Kelly Thompson	(606) 622-2155
Educational Administration	Dr. Leonard Burns	(606) 622-1124
Educational Psychology and Counseling	Dr. Larry Sexton	(606) 622-1128
Educational Studies	Dr. Leonard Burns	(606) 622-1124
Field Services and Professional Development	Dr. William Thames, Director	(606) 622-2581
Interpreting Training Program	Dr. Laurence Hayes	(606) 622-4966v/ttd
Learning and Behavior Disorders, Moderate and Severe Disabilities, Interdisciplinary Early Childhood Education -Special Education Early Childhood Programs	Dr. Karen N. Janssen	(606) 622-1865
Middle Grade Education	Dr. Kelly Thompson	(606) 622-2155
Model Laboratory School	Dr. Bruce Bonar, Director	(606) 622-3766
	Ms. Jackie Vance, Asst. Dir.	(606) 622-3766
Professional Laboratory Experiences (Student Teaching)	Dr. David Rush, Director	(606) 622-1544
Secondary and Higher Education	Dr. Rodney White	(606) 622-2155
Speech Language & Hearing Clinic	Dr. Charlotte Hubbard	(606) 622-4444
Special Education	Dr. Martin Diebold, Chair	(606) 622-4442
Student Services (Teacher Admission & Certification)	Ms. Gloria Carr, Director	(606) 622-1828

Since its founding in 1906, Eastern Kentucky University has maintained a strong interest in and commitment to the preparation of teachers. Eastern Kentucky University is dedicated to the preparation of teachers who function effectively in a culturally diverse society in order to meet the needs of all students. While teacher education at Eastern is viewed as a university-wide function, the programs of elementary education (P-5), middle grade education (5-9), special education, deaf and hard of hearing, and communication disorders are located in the College of Education. Students in these programs are advised in the College of Education. Secondary teaching programs are located in their respective colleges with students receiving academic advisement from the college of their major and educational counseling in the College of Education.

Model Laboratory School is operated as a department in the College of Education to: (1) provide quality and innovative education for its students, N-12; (2) provide pre-service education for prospective teachers in the College; (3) serve as an experimental testing ground for curriculum development and dissemination; (4) provide a setting for research; and (5) provide in-service education for area school systems.

Policies and Procedures

Teacher Education Majors

All students seeking initial teacher certification, regardless of the college in which they are enrolled, must have an ACT score (Fall 1989 or after) on file at the University Office of Admissions. To be recommended for certification, all students must meet the requirements for admission to teacher education, complete a College of Education approved teaching curriculum, and pass the required PRAXIS tests as determined by the major/minor.

General Studies for Initial Teacher Preparation. The general studies will incorporate multicultural and global perspectives. All candidates will complete general studies courses and experiences in the liberal arts and sciences that lead to the development of theoretical and practical knowledge. The general studies will include course work from arts, communications, history, literature, mathematics, philosophy, sciences, and the social sciences. CONSULT ADVISOR EARLY IN YOUR PROGRAM FOR PROPER COURSE SELECTION.

Credits

To be applied to degree programs, credits more than eight years old must be validated by the dean.

Credit for Transfer Work

Allowance of transfer credit by the University Office of Admissions and/or the Office of Undergraduate Studies does not necessarily mean that all such credit will be applied toward admission to teacher education or a degree from the College of Education. Therefore, students should read and follow closely the transfer credits/courses section in Part Three of the *Catalog*.

Credit for Transient Work

Undergraduate students or students pursuing initial certification in programs housed in the College of Education who wish to take course work at another higher education institution must have **prior** written approval from their advisor, their department chair, and the Dean of the College if they wish to apply that credit to their degree program. Students must be in good academic standing at Eastern Kentucky University with **an overall GPA of 2.5 or higher** to be considered for approval to take a course at another institution. Transient forms are initiated with the administrative assistant, Office of the Dean, College of Education.

Overload

In the College of Education, overloads are discouraged and must be approved by the dean. Requests for overloads must contain the student's overall GPA and the number of hours being attempted, including those to be taken at other higher education institutions or through correspondence. A student must have an **overall GPA of 3.0 or higher** to be considered for approval to take an overload.

Correspondence Course

Students majoring in the College of Education are discouraged from over-loading their schedules by taking correspondence courses. To be accepted into their programs, such courses must have the dean's approval **before** they are taken. A student must have an **overall GPA of 3.0 or higher** to be considered for approval to take a correspondence course.

Planned Curriculum

Planned curricula in the College of Education are prepared by the Administrative Assistant, Office of the Dean. Students in teaching programs must make application for a planned curriculum upon notification of admission to the Teacher Education program. Students in non-teaching programs (special education and communication disorders) must apply for a planned curriculum upon completion of the 60th hour for B.S. degrees and 15th hour for A.A. degrees. Changes in the planned curriculum, initiated on the "Planned Curriculum Exception" form, must include a recommendation for change by the advisor, and be approved by the department chair and the Dean of the College. Changes approved verbally by phone or otherwise will not be honored unless the planned curriculum is officially altered to reflect such approval. It is the student's responsibility to register for the proper courses so that all requirements are satisfied at the time of expected graduation. Completion of all course work on the student's planned curriculum is required for graduation.

Residency

A candidate for a degree must have been in residence a minimum of 36 weeks and must have earned a minimum of 32 hours while in residence. Students who are completing baccalaureate degree programs which include teacher certification, and students readmitted after a one year absence from the University must have 30 of the last 36 hours in the program, exclusive of student teaching (ELE 499, EMG 499, EMS 499, ESE 499, SED 499), awarded by Eastern Kentucky University.

Application for Graduation

Students must file an application for graduation in the Office of the Dean. May and August graduates must file an application during the preceding October; December graduates must file an application during the preceding April.

Student Teaching

Since student teaching is especially demanding, students are not allowed to take any other courses (including correspondence and transient courses) while student teaching. Credit for unfinished correspondence course(s) will not be allowed during the student teaching semester.

Retroactive Permission

Students should not ask for retroactive permission.

Admission Requirements and Application Process

Admission to the College of Education

- Upon admission to the College of Education, students are assigned an advisor. Students must enroll in Academic Orientation, EDO 100, during the first semester. Students are advised to enroll in EDF 103, Introduction to Education, during their freshman year and in EDF 203, Schooling and Society, during their sophomore year. However, students should not enroll in EDF 103 until all developmental requirements have been met. Transfer courses will not be accepted for EDF 103. EDF 310 will be required for students who have an equivalent transfer course for EDF 203.

- Secondary education majors will follow the prescribed curriculum and requirements of another academic college and the policies for teacher education stated elsewhere in that *Catalog*. The College of Education cooperates closely with the other colleges in matters pertaining to admission to teacher education and student teaching.

Admission to Teacher Education

- Admission to the University (academic college) is not synonymous with admission to teacher education.
- Students will apply for admission to Teacher Education in the College of Education's Office of Student Services (Combs 423). Formal applications will be accepted based upon completion of the following requirements:

A. Hours / Residence

- Must complete 60 hours of credit (excluding 090 developmental level courses).
- Transfer students must complete 12 hours of credit at EKU.

B. Admission Test Requirement

- Undergraduate students must have an ACT score (Fall 1989 or after) on file at the University Office of Admissions.
- And a passing score on one of the tests approved by the Education Professional Standards Board:

ACT (American College Test)	Composite 21
PRAXIS I - PPST (Preprofessional Skills Test)	Written: Reading 173, Math 173, Writing 172 **OR** Computer: Reading 320, Math 318, Writing 318
SAT (Scholastic Aptitude Test)	Composite 990
GRE (Graduate Record Exam)	Combined Total 1000 (must be enrolled in Graduate School)

C. GPA and Grade Requirements

- Minimum overall GPA 2.5 in all undergraduate course work.
- Minimum GPA 2.5 in college work at EKU,
- Grade of "C" or higher in EDF 103 (including satisfactory speech and hearing screening), EDF 203 (requires completion of admission test requirement [section B] prior to enrollment), ENG 101 and ENG 102.
- Satisfactory grade in EDF 310 for students who have an equivalent transfer course for EDF 203.

Undergraduate degree students' GPA's are based on the hours attempted as shown on the official Eastern transcript. Post degree certification students' GPA's are based on **all** undergraduate course work and on the hours attempted as shown on the official Eastern transcript.

D. Mathematics Requirement

Completion of a college level mathematics course, MAT 105 or above (exclusive of MAT 201 and 202), with a grade of "C" or higher.

E. Computer Literacy

- Completion of CSC 104 or CIS 212 with a grade of "C" or higher.
- Students with prior computer knowledge and skills may demonstrate proficiency by satisfactorily completing both the written and performance portions (word processing, database, spreadsheet) of the computer literacy test. Students who fail the test must complete CSC 104 or CIS 212 with a grade of "C" or higher. The test option is not available for students required to take CSC 104 or CIS 212.

F. UWR (University Writing Requirement)

Satisfactory performance on the University Writing Requirement is required of all students seeking initial certification. (Undergraduate students should also refer to University requirements described in Part Three of this *Catalog*).

G. Examinations

- Satisfactory results on examinations taken in EDF 103 and 203 and on other examinations which may be required by the Teacher Education Admissions Committee.
- Proficiency in oral and written communication including evidence of satisfactory speech and hearing.
- Students scoring below minimum requirements on these tests shall be required to improve their competencies to an acceptable level before admission to teacher education. This may include therapy, tutoring, and enrollment in credit or non-credit remediation courses.
- Any hearing impaired student unable to pass the speech and hearing screening who can benefit from remediation should receive it. Documentation concerning remediation and communication competency (oral or manual) must be provided to the Speech and Hearing Clinic. The Clinic, in consultation with faculty of the Deaf and Hard of Hearing Program will submit a recommendation for consideration for admission to the Office of Student Services. This should include documentation of communication competence.

H. Recommendations

Satisfactory recommendations from four Eastern faculty members including the EDF 103 instructor, EDF 203 instructor, and the advisor or a faculty member in the major.

I. Interview / Portfolio

Must complete the formal interview process. NOTE: Students will present their portfolio for review and approval as one of the components of the interview process.

J. Ethics Declaration

Must complete and sign a "Personal and Professional Fitness Declaration" form.

NOTE: Based on your disclosure an interview by the Teacher Admission Committee may be required.

K. Student Behavior

- Students must have no physical or psychological impairments that would preclude teaching success.
- Students must demonstrate acceptable social behavior at the University and in the community-at-large.

- If, after admission to the Teacher Education Program, a student is placed on either academic or social probation, the admission may be reevaluated.

NOTE: The Office of Student Services will contact the EKU Office of Judicial Affairs to obtain records of infractions committed by candidates for admission to teacher education.

An interview by the Teacher Admission Committee may be required.

The Office of Student Services will process the formal "Application for Admission to Teacher Education." The Teacher Education Admissions Committee will review applications, supporting documentation, and other relevant materials brought before the committee and will take appropriate action concerning the student's admission to the teacher education program. The student will be notified of the committee's decision.

Admission to Student Teaching Requirements

- The Office of Professional Laboratory Experiences receives and evaluates all applicants for student teaching, determines appropriate disposition of the application, and provides continuous assessment of the applicant's pre-teaching and teaching experiences during the professional semester.
- This office recognizes that cultural diversity is a fact of American life and teachers function in a pluralistic cultural environment. Experience in multi-cultural settings provides valuable enrichment for the proper development of effective teachers. That philosophy will guide the student assignments.
- Students are not allowed to take any other courses (including correspondence and transient courses) while student teaching. Credit for unfinished correspondence courses will not be allowed during the student teaching semester.
- Students of senior standing (90 hours or more with a minimum of 12 semester hours residence at Eastern) may enroll in student teaching if they have satisfied the following requirements:

Application for Student Teaching

1. Applicants must be admitted to the teacher education program prior to the application semester.
2. Applicants must file an application during the first four weeks of the semester prior to the term in which student teaching is desired.
3. Applications filed will be evaluated and processed for approval or disapproval.

Evaluation of application will include in part

1. The planned curriculum. Each applicant must have an approved planned curriculum on file with the Dean of the College of Education.
2. All prerequisites in professional education and pre-student teaching curricula in the applicant's area as prescribed by that *Catalog*, must be completed prior to student teaching.
3. Recommendation made by the applicant's advisor and approval by the department chair.
4. A valid medical examination report, including current tuberculosis test report. Students with any significant deviation from normal physical and psychological well-being will be referred to a proper examining physician.
5. The ethics declaration. Each applicant must complete and sign a new "Personal and Professional Fitness Declaration" form.
6. Behavior that relates to the moral, ethical, social, and personal standards of professional competency. The applicant's comportment will be subject to review and appraisal by the department responsible for the student teaching recommendation and the College of Education.
7. Academic Requirements: Undergraduate degree students' GPAs are based on the hours attempted as shown on the official Eastern transcript. Post degree certification students' GPAs are based on all undergraduate course work and on the hours attempted as shown on the official Eastern transcript.

Elementary Education (P-5) and Middle Grade Education (5-9) Majors

- Minimum 2.5 GPA in all undergraduate course work.
- Minimum 2.5 GPA in college work at EKU.
- Minimum 2.5 GPA with a grade of "C" or higher in courses in the "core and supporting course requirements,"* area(s) of academic emphasis, "teacher education requirements" (see program display for a list of courses), teaching minor(s), and certification endorsement(s).
- Other requirements as found in the appropriate department presentation.

*supporting course requirements for elementary education only.

Special Education

- Minimum 2.5 GPA in all undergraduate course work.
- Minimum 2.5 GPA in college work at EKU.
- Minimum 2.5 GPA with a grade of "C" or higher in courses in the "major, core, and option"*, "elementary/middle grade and supporting course requirements", area of academic emphasis**, teacher education requirements (see program display for a list of courses), teaching minor(s), and certification endorsement(s).
- Other requirements as found in the appropriate department presentation.

*combination of major, core, and/or option as identified in the program display.
**emphasis with middle grade education only.

Communication disorders majors should see their advisor for information related to admission to student teaching.

Secondary Education Majors

- Minimum 2.5 GPA in all undergraduate course work.
- Minimum 2.5 GPA in college work at EKU.
- Minimum 2.5 GPA in teaching major(s), minor(s), area(s) of academic emphasis, and certification endorsement(s).

- Minimum 2.5 GPA with a grade of "C" or higher in courses in "teacher education requirements" (see program display for a list of courses).
- Other requirements as found in the appropriate department presentation.

Application for Certification

Exams—Prior to graduation, students must complete required competency examinations and take the PRAXIS Series (Professional Assessments for Beginning Teachers). All required parts of the PRAXIS test are to be taken during the senior year. NOTE: Some majors/minors require testing over two semesters. Students must review the schedule for PRAXIS tests registration deadlines prior to the beginning of the senior year (last two semesters). Specialty test(s) are required for each certification area sought.

Certification—Applications for teacher certification should be filed in the Office of Student Services prior to graduation as follows: May graduates by April 1; August graduates by July 1; December graduates by November 1. Applications for certification are not processed until all requirements are met.

Admission to Communication Disorders Program

Any student who is accepted by Eastern Kentucky University's Admissions Office may declare their major as communication disorders (CD). The student will be assigned to a program advisor and will be classified as a "Pre-CD" major. However, a Pre-CD status does not guarantee admission into the CD undergraduate program. Pre-CD majors will be restricted to enrollment in the following major courses: SED 104, 275, 360, and SED 240 or ASL 101. To be admitted into the CD undergraduate program, students must meet the following minimum criteria: (1) at least 27 credit hours earned on 100-level courses or higher, (2) at least a 2.75 GPA on a 4.0 scale, (3) have taken the ACT, and (4) earned a grade of "C" or higher in SED 275 "Communication Disorders: A Survey" or equivalent transferred course. Transfer students do not have to be enrolled in university courses at the time of submitting an application for admission. The CD program admits 30 new undergraduate students each year. Applicants are ranked by the GPA x ACT composite score. The most qualified applicants are admitted. Application forms are available from Wallace 245; telephone (606) 622-4442. Completed applications and all required documentation as specified on the application form must be submitted by February 14 to the CD Program Coordinator.

It should be noted that enrollment in the graduate program in Communication Disorders is also limited. Admission into the undergraduate program does not guarantee admission into the graduate program. Refer to the Graduate Catalog for Admission Requirements and Procedures regarding application to the master's degree program of study in Communication Disorders.

Students must purchase the college student professional liability insurance prior to enrollment in SED 374, 474, and 488. Further, that insurance coverage must be maintained throughout enrollment in these courses.

Admission to Interpreting for Deaf Individuals Program

Pre-Admission

- Admission to EKU is not synonymous with Admission to the ITP.
- Minimum grade of "C" or higher in ASL 101, 102, 201, and 202.
- Minimum grade of "C" or higher in ITP 215 and 220.

Upon completion of pre-admission requirements students will submit an application of intent for admission to the ITP in the office of Wallace 245. The formal application of intent will be accepted based upon completion of the following requirements:

Admission Criteria

- Completion of Degrees of Reading Power language test with a minimum score of 61 or higher.
- Satisfactory results on EKU ITP sign communication test. Taken upon completion of ASL 202.
- Satisfactory results on EKU ITP knowledge test. Taken upon completion of ITP 215 and 220.
- Satisfactory recommendations from one EKU Special Education faculty and one EKU faculty at large. Transfer students may provide satisfactory recommendations from previous higher education faculty. Interpreter Training faculty is preferred.

The ITP Admission Committee will process the formal "Application for Admission to the Interpreter Training Program." The ITP Admission Committee will review applications, supporting documentation, and other relevant materials to the Interpreter Training Program. The student will be notified of the committee's decision.

Minors

American Sign Language (ASL) Studies
Department of Special Education

The minor in American Sign Language teaches communication competency in a visual language. Students become knowledgeable about aspects of the hard-of-hearing and deaf community. For careers working with the public, this minor is beneficial for understanding and communicating with the deaf and hard-of-hearing. This minor does not prepare students to interpret, nor fulfill the pre-admission and admission process for the Interpreter Training Program.

Required Courses	**12 hours**
ASL 101	3
ASL 102	3
ASL 201	3
ASL 202	3
Electives (select two courses)	**6 hours**
ITP 115, 215, 315, or 337	6
Total Requirements	**18 hours**

Special Education (Non-Teaching)

Prerequisites must be honored.

Required Courses ..... **9 hours**
SED 104, SED 260, and SED 341 9
Electives ..... **9 hours**
SED 240, 300, 337, 338;
SED 351 or 352 or 353; SED 356, 388;
SED 434 or 435 or 436; SED 518, 578,
579, 591 9
Total Requirements ..... **18 hours**

Baccalaureate Degrees

Communication Disorders (B.S.)

CIP Code: 51.0204

Major Requirements ..... **68 hours**
ASL 101 or SED 240; 104, 250, 273, 275, 285, 341, 360, 365, 372, 373, 374+, 380, 464, 465, 474+, 475, 485, 486, 487, 488+, 512, 518, 571 and 572.
Supporting Course Requirements ..... **29 hours**
BIO 171; BIO 301 or 303; EDF 103, 203, EPY 319; ENG 410, 510, or 520; MAT 105, 106 or 107; PHY 101 or NAT 171; PSY 201 or 202; and SPE 100, 200 or 210.
General Education Requirements ..... **37 hours**
Standard General Education program, excluding course categories 13, 14, 15, 20, 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
EDO 100 and three hours restricted electives.
Total Curriculum Requirements ..... **138 hours**
+to a maximum of six hours

Suggested Curriculum Guides begin on page 149.

Deaf and Hard of Hearing (P-12) with Elementary Education (P-5) Teaching (B.S.)

CIP Code: 13.1003

Major Requirements ..... **39 hours**
SED 104, 260, 337, 338, 356, 375, 380, 388, 545, 510, 518, 581; ASL 101.
Elementary Education (P-5) Requirements ..... **18 hours**
ELE 445, 446, 490, 491, 492, and 493.
Supporting Course Requirements ..... **19 hours**
ELE 322, 361, 362+, 365, LIB 301, MAT 201, and 202.
Teacher Education Requirements ..... **20 hours**
EDF 103, 203, EPY 319, ELE 499, SED 499.
[EPY 413 met with SED 337, SED 401 waived by major in special education]
General Education Requirements ..... **45 hours**
Standard General Education program excluding course categories 03 and 04. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
EDO 100 and three hours restricted electives (CSC 104 or CIS 212 is an admission to teacher education requirement and may be selected as a restricted elective).
Total Curriculum Requirements ..... **145 hours**

+Course waived for students who are hard of hearing/deaf and who are majoring in the deaf and hard of hearing teacher certification program.

Suggested Curriculum Guides begin on page 149.

Deaf and Hard of Hearing (P-12) with Middle Grade Education (5-9) Teaching (B.S.)

CIP Code: 13.1003

Major Requirements ..... **39 hours**
SED 104, 260, 337, 338, 356, 375, 380, 388, 545, 510, 518, 581; ASL 101.
Middle Grade Requirements (5-9) ..... **36 hours**
EMG 430, 445, 447, and three hours from EMG 491, 492, 493, or 494.
Teaching Field/Area of Emphasis
24 hours in an area of emphasis chosen from: English and communications, mathematics, science, or social studies.
Supporting Course Requirements ..... **9 hours**
ELE 361 or 362+; MAT 201 and 202.
Teacher Education Requirements ..... **20 hours**
EDF 103, 203, EPY 319, EMG 499, SED 499.
[EPY 413 met with SED 337, SED 401 waived by major in special education]
General Education Requirements ..... **33-42 hours**
Standard General Education program excluding course categories 03, 04, and emphasis area may use up to 12 hours in General Education as identified on the curriculum guide. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
EDO 100 and three hours restricted electives (CSC 104 or CIS 212 is an admission to teacher education requirement and may be selected as a restricted elective).
Total Curriculum Requirements ..... **141-145 hours**

+Course waived for students who are hard of hearing/deaf and who are majoring in the deaf and hard of hearing teacher certification program.

Suggested Curriculum Guides begin on page 149.

Elementary Education (P-5) Teaching (B.S.)

CIP Code: 13.1202

Major Requirements ..... **49 hours**
ELE Core ..... **28 hours**
Options ..... **21 hours**
Students seeking certification as teachers of P-5 must complete 21 hours from one of the following areas of academic emphasis.
Arts/Humanities: To complete an area of emphasis in Arts/Humanities, the student must complete one of the following tracks:

General Track: ART 200 (GEW 08), MUS 171 (GEW 07), THE 100; ENG 350 or 351; PHI 110 or 130; HUM 124, FCC 220, 222, 226, 227, ART, THE, or PHE 300.
Visual Arts Track: ART 100 (GEW RE), 101, 152, 153, 200 (GEW 07); six hours from ART 210, 220, 230, 240, or 270.
Music Track: MUS 171 (GEW 07), 272 (GEW RE); Performance Component: four to nine hours from applied music and/or ensembles, three to eight hours from MUS 181, 182, 371, 372.
Humanities Track: HUM 124, 226 (GEW 05), 228 (GEW 06), MUS 272; ART 390 or 391; PHI 100 or 110; ENG 350 or 351; FCC 220, 222, 226, 227, HUM 300, PHE 200, or REL 301.
English/Communications: ENG 101 (GEW 01) and 102 (GEW 02) (or 105, GEW 01/02); ENG 510, 520, or EME 551; SPE 100 (GEW 20); ENG 350, 351, or 359; six hours from ENG 301, 405, or 410.
Foreign Language: Courses from the academic emphasis must be selected from one of the following options:
French: FRE 101, 102, 201, 202; nine hours selected from the following: FRE 210, 340, 350, 360, or FCC 220. Students with mastery of FRE 101, 102, and/or 201 should take FRE 204 and additional hours from the elective list.
German: GER 101, 102, 201, 202, 240, 340; FCC 222, GER 360, or 440. Students entering the program with mastery of the content of GER 101, 102 and/or 201 should take additional hours from other courses listed above.
Spanish: SPA 101, 102, 201, 202, 206, 301, and 360. Students with mastery of SPA 101, 102, and 201 should select additional courses from Spanish offerings with advisor approval.
(Two of the foreign language courses at the 100 and 200 level can be used as GEW 03 and GEW 04).
Kindergarten: CDF 244, 247, ELE 519, SED 518; CDF 346, OTS 515, or SED 260 (GEW RE); CDF 132, HEA 375, or SOC 245; AGR 577, BIO 317 (GEW 16), CSC 178, or TEC 322.
Mathematics: CSC 104+ (GEW 03), 175, MAT 106 (GEW 21), 107+, 203, 303, and STA 270 (GEW 04).
Multi-Disciplinary: ENG 301, 302, 502, or 503; HIS 202 (GEW 10) or 203 (GEW 11); ENG 359, POL 332, or BIO 304; ART 200, FCC 220, 222, 226, 227, MUS 171, PHE 300 or THE 100; GEO 322 or 345 (GEW 12); 6 hours from AST 130, 135, BIO 317, CNM 101, 102, GEO 215, GLY 302, 390, NAT 172, 173, 380, MAT 203 or 502.
Science: A minimum of three hours of life science selected from BIO 100 or NAT 101, BIO 131, 141, BIO 300, 301, 317; CNM 101 or NAT 363. A minimum of three hours of physical science selected from PHY 101 or NAT 171, AST 130 or 135, NAT 172 or 173, GLY 108 or 109; CHE 101, 102, CNM 102, GEO 215, GLY 302, 304, 307, 308, 390, PHY 131, 132, or SCI 310. As part of the 21 hour science emphasis, students must take one biological science (GEW 13) and one physical science (GEW 14) laboratory course. Remaining hours are to be selected from courses listed. CNM 101 and 102 may be taken to fill one biological and one physical science laboratory requirement. If only CNM 101 is taken it can be used to fill Gen. Ed. 15 but not an emphasis requirement.
Social and Behavioral Sciences: ECO 130; GEO 101 or 345; HIS 246 (GEW 10), 247 (GEW 11); HIS 516 or POL 332; SOC 245 or CDF 132; ANT 330, HIS 330, HIS 305, 383, 405, POL 316, or SOC 360.

Supporting Course Requirements ..... 9 hours
LIB 301, MAT 201, and 202.

Teacher Education Requirements ..... 25 hours
EDF 103, 203, EPY 319, 413, SED 401, and ELE 499.

General Education Requirements ..... 42-45 hours
Standard General Education program excluding courses identified as "GEW" in each area of emphasis. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 1-4 hours
EDO 100 and three hours of restricted electives excluding courses identified as "GEW" in area of emphasis.

Total Curriculum Requirements ..... 129-132 hours

+Students whose educational background included material equivalent to CSC 104 and/or MAT 107 may select alternate courses from the following with advisor approval: MAT 121, 211, 261, CSC 180, STA 271.

Suggested Curriculum Guides begin on page 149.

INTERPRETER TRAINING PROGRAM (B.S.)

CIP Code: 51.0205

Major Requirements ..... 70 hours

ASL Core ..... 18 hours
ASL 101, 102, 201, 202, 301, 302.

ITP/SED Core ..... 52 hours
SED 115, 230, ITP 215, 220, 310, 315, 320, 370, 390, 420, 425, 430, 470, 480, 490.

Supporting Course Requirements ..... 12 hours
ANT 120, SED 104 and 337, SOC 310.

General Education Requirements ..... 42 hours
Standard General Education program excluding course categories, 03, 04, 09. Refer to Part Three of the *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
EDO 100; three hours restricted electives.

Total Curriculum Requirements ..... 128 hours

Suggested Curriculum Guides begin on page 149.

MIDDLE GRADE EDUCATION (5-9) TEACHING (B.S.)

Department of Curriculum and Instruction

CIP Code: 13.1203

Major Requirements ..... 63 hours

Middle Grade Core ..... 15 hours
EMG 430, 445, 447, and six hours from 491, 492, 493, or 494.

Options ..... 48 hours
Students seeking middle grade, 5-9, certification must select two areas of emphasis from the following list and complete 24 hours in each area: English

and communications, mathematics, science, social studies.

English and Communications ..... 24 hours
ENG 101 (GEW 01), 102 (GEW 02) (or 105, GEW 01/02); 350 or 351; 410; LIB 501, SPE 100 (GEW 20), and six hours selected from ENG 301, 405, 510, 520, or EME 551.

Mathematics ..... 24 hours
CSC 175, MAT 106 (GEW 21), 201, 202, 203; 211 or 261 (GEW 03); 303, and STA 270 (GEW 04). (Students are advised to take CSC 104 as a symbolics option prior to enrolling in CSC 175 unless they already possess skills comparable to those acquired in CSC 104.) Students whose secondary education did not include a course equivalent to MAT 107 will need to take the course prior to enrolling in MAT 211, 261, 303, or STA 270.

Science ..... 24 hours
Biological Science - nine hours: one course from BIO 100, 131, 141, or NAT 101; two courses from BIO 131, 141, 211, 300, 301, 378; 302 or 303; 317, CNM 101**, or NAT 363. Earth Science, Physics, and Chemistry - 15 hours to include nine hours from one area and three hours from each of the remaining two areas: CHE 101 and 102 or 111 and 112; GLY 108, 109, 302, 304, 307, 308, 390, AST 130, 135, NAT 172 or 173; CNM 102**, PHY 101, 131 and 132, 201 and 202, or NAT 171. A laboratory course must be selected from each area. (GEW 13 and GEW 14) can be filled with one lab course in biology and one lab course in physical science.

**Both CNM 101 and 102 must be taken to fill Gen. Ed. 13 and 14. If only CNM 101 is taken it can be used to fill Gen. Ed. 15 or 16, but not an emphasis requirement.

Social Studies ..... 24 hours
ECO 120 or 130; GEO 345, HIS 246 (GEW 10), 247 (GEW 11), HIS 202, 203; POL 100 or 101; ANT 120, 325, SOC 131, or 235.

Teacher Education Requirements ..... 25 hours
EDF 103, 203, EPY 319, 413, SED 401, and EMG 499.

General Education Requirements ..... 34-39 hours
Standard General Education program, excluding courses identified as "GEW" in area of emphasis. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
EDO 100 and three hours restricted electives.

Free Electives ..... 2 hours
English and Communications/Mathematics Emphasis Area only.

Total Curriculum Requirements ..... 128-131 hours

Suggested Curriculum Guides begin on page 149.

SPECIAL EDUCATION/TEACHING (B.S.)

Learning and Behavior Disorders and Moderate and Severe Disabilities

CIP Code: 13.1001

See advisor early in the program

Major Requirements ..... 30-36 hours

Core ..... 21 hours
SED 104, 260, 341, 375, 388, 518, 545.

Options

Learning and Behavior Disorders (LBD) (P-12) with Elementary Education (P-5) or Middle Grade Education (5-9) ..... 9 hours
SED 351, 356, and 434.

Moderate and Severe Disabilities (MSD) (P-12) ..... 15 hours
SED 300, 304, 353, 435 and 577.

Elementary and Middle Grade Education Requirements ..... 18-36 hours

LBD (P-12) with Elementary Education (P-5) ..... 18 hours
ELE 445, 446, 490, 491, 492, and 493.

LBD (P-12) with Middle Grade Education (5-9) ..... 36 hours
EMG 430, 445, 447, and three hours from EMG 491, 492, 493, 494.

Teaching Field/Area of Emphasis
24 hours in an area of emphasis chosen from: English and communications, mathematics, science, or social studies.

Supporting Course Requirements ..... 9-24 hours

LBD (P-12) with Elementary Education (P-5) ..... 19 hours
ELE 322, 361, 362, 365, LIB 301, MAT 201, and 202.

LBD (P-12) with Middle Grade Education (5-9) ..... 9 hours
ELE 361 or 362; MAT 201 and 202.

MSD (P-12) ..... 24 hours
ELE 445, 446, 491, LIB 301, MAT 201, 202, NSC 500, and OTS 515.

Teacher Education Requirements ..... 20 hours

LBD (P-12) with Elementary Education (P-5)
EDF 103, 203, EPY 319, ELE 499, and SED 499.
[EPY 413 met with SED 351, SED 401 waived by major in special education]

LBD (P-12) with Middle Grade Education (5-9)
EDF 103, 203, EPY 319, EMG 499, and SED 499.
[EPY 413 met with SED 351, SED 401 waived by major in special education]

MSD (P-12)
EDF 103, 203, EPY 319, and SED 499.
[EPY 413 met with SED 353, SED 401 waived by major in special education]

General Education Requirements ..... 33-45 hours
Standard General Education program excluding course categories 03 and 04 (all options), LBD/EMG 5-9 emphasis area may use up to 12 hours in General Education as identified on the curriculum guide (GEW). Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
EDO 100; three hours restricted electives (CSC 104 or

CIS 212 is an admission to teacher education requirement and may be selected as a restricted elective).

Total Curriculum Requirements ..... 129-136 hours

Suggested Curriculum Guides begin on page 149.

SPECIAL EDUCATION (B.S.)

Deaf and Hard of Hearing/NON-TEACHING
(CIP Code: 13.1003),
Interdisciplinary Early Childhood – Special Education Early Childhood/NON-TEACHING OR TEACHING
(CIP Code: 13.1001),
Learning and Behavior Disorders/NON-TEACHING
(CIP Code: 13.1001),
and
Moderate and Severe Disabilities/NON-TEACHING
(CIP Code: 13.1001)

Major Requirements ..... 33-39 hours

Core ..... 21-27 hours
SED 104, 260, 341, 356, 375 (3-9 hours), 518, and 545.

Options

Interdisciplinary Early Childhood Education - Special Education Early Childhood (IECE-SEEC) Teaching and Non-Teaching ..... 12 hours
SED 304, 352, 436, and 577.

Deaf and Hard of Hearing (DHH) Non-Teaching ..... 12 hours
ASL 101 and 102; SED 337 and 380.

Learning and Behavior Disorders (LBD) Non-Teaching ..... 9 hours
SED 351, 388, and 434.

Moderate and Severe Disabilities (MSD) Non-Teaching ..... 12 hours
SED 304, 353, 435 and 577.

Supporting Course Requirements ..... 10-12 hours

DHH, LBD, and MSD Options ..... 10 hours
EPY 319; REC 311 and 511.

IECE-SEEC Teaching and Non-Teaching Options ..... 12 hours
ELE 519, NSC 500, OTS 515, SWK 456.

Teacher Education Requirements ..... 16 hours
(IECE-SEEC Teaching Option only)
EDF 103, 203, SED 499.
[EPY 319 met with minor, EPY 413 met with SED 352, SED 401 met with core and option]

Minor Requirements ..... 18 hours

DHH, LBD, and MSD Options (Refer to Part Three of this *Catalog* for list of minors offered)

IECE-SEEC Teaching and Non-Teaching Options
(Minor in Child and Family Studies)
CDF 132, 241, 244, 247, 344, and 345.

General Education Requirements ..... 51 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... 4 hours
EDO 100 and three hours restricted electives (CSC 104 or CIS 212 is an admission to teacher education requirement and may be selected as a restricted elective).

Free Electives (For Non-Teaching Options) ..... 4-9 hours

Total Curriculum Requirements ..... 128-134 hours

Suggested Curriculum Guides begin on page 149.

COURSES FOR PROVIDING SERVICES TO THE DEAF AND HARD OF HEARING

The following course work cluster is designed to meet the needs of individuals trained in a variety of paraprofessional and professional programs who, upon graduation, are interested in the provision of services to deaf and hard of hearing children, youth, and adults. The course work provides an introduction to cultural awareness and the development of communication skills.

Prerequisite Courses* ..... 15 hours
ASL 101, 102, 201, and 202; SED 115.

Required Courses ..... 9 hours
SED 774**, SED 830, and PAY 845.

*These courses or the equivalent of these courses demonstrated through proficiency in American Sign Language and an equivalent orientation to deafness course.

**Practicum assignments will be interfaced with the individual's specialty area and placement will be in a setting serving deaf and hard of hearing children, youth, and adults.

BACCALAUREATE DEGREES

Suggested Curriculum Guide for Communication Disorders (B.S.)

Freshman Year

First Semester

EDO 100	1
SED 104	3
BIO 171 (GEW 13)	3
Gen. Ed. (01)	3
Gen. Ed (07)	3
Gen. Ed. (09)	3
Gen. Ed (17)	1
TOTAL	**17**

Second Semester

SED 240 or ASL 101	3
PHY 101 or NAT 171 (GEW 14)	3
Gen. Ed (02)	3
Gen. Ed (10)	3
Gen. Ed (18)	1
Gen Ed (19)	2
Restricted Elective	3
TOTAL	**18**

Sophomore Year

First Semester

SED 275	3
PSY 201 or 202	3
Gen Ed (03)	3
Gen. Ed (05)	3
Gen Ed (11)	3
MAT 105, 106, or 107 (GEW 21)	3
TOTAL	**18**

Second Semester

EDF 103	2
SED 360	3
BIO 301, 302, or 303 (GEW 15)	3
SPE 100, 200 or 210 (GEW 20)	3
Gen Ed (06)	3
Gen. Ed (04,08,12,16)	3
UWR	
TOTAL	**17**

Junior Year

First Semester

SED 250	3
SED 273	1
SED 285	3
SED 365	3
SED 380	3
EDF 203	2
Gen. Ed (04, 08,12,16)	3
TOTAL	**18**

Second Semester

SED 372	3
SED 373	3
SED 464	3
SED 485	3
SED 486	1
EPY 319	4
TOTAL	**17**

Senior Year

First Semester

SED 341 or 488	3 or 1
SED 374	3
SED 465	3
SED 487	3
SED 512	3
SED 571	3
TOTAL	**16-18**

Second Semester

ENG 410, 510, or 520	3
SED 341 or 488	3 or 1
SED 474	2
SED 475	3
SED 518	3
SED 572	3
TOTAL	**15-17**

Suggested Curriculum Guide for Deaf and Hard of Hearing (P-12) with Elementary Education (P-5) Teaching (B.S.)

Freshman Year

First Semester

EDO 100	1
SED 104	3
Gen. Ed. (01)	3
Gen. Ed (09)	3
Gen. Ed (13)	3
Gen. Ed. (19)	2
MAT 105 or higher (21)	3
TOTAL	**18**

Second Semester

EDF 103	2
ASL 101	3
CSC 104 or CIS 212 (Restrictive Elective)	3
Gen. Ed (02)	3
Gen. Ed (07)	3
Gen. Ed. (10)	3
Gen. Ed (17)	1
TOTAL	**18**

Summer

Gen. Ed. (05)	3
Gen. Ed. (14)	3
TOTAL	**6**

Sophomore Year

First Semester

EDF 203	2
SED 260	3
SED 356	3
MAT 201 (GEW)	3
Gen Ed (06)	3
Gen Ed (11)	3
Gen Ed (18)	1
TOTAL	**18**

Second Semester

EPY 319	4
SED 337	3
SED 388	3
LIB 301	3
MAT 202 (GEW)	3
SPE 301 (20)	2
UWR	
TOTAL	**18**

Junior Year

First Semester

SED 338	3
SED 581	3
ELE 445	3
ELE 361	3
ELE 362	3
Gen. Ed (08, 12, or 16)	3
TOTAL	**18**

Second Semester

SED 510	3
SED 380	3
SED 518	3
ELE 365	2
ELE 322	2
Gen. Ed (15)	3
TOTAL	**16**

Senior Year

First Semester

SED 375	3
ELE 446	3
ELE 490	3
ELE 491	3
ELE 492	3
ELE 493	3
TOTAL	**18**

Second Semester

SED 545	3
SED 499	6
ELE 499	6
TOTAL	**15**

Suggested Curriculum Guide for Deaf and Hard of Hearing (P-12) with Middle Grade Education (5-9): English & Communications (B.S.)

Freshman Year

First Semester

EDO 100	1
SED 104	3
Emphasis (GEW 01)	3
Gen. Ed (07)	3
Gen. Ed. (09)	3
Gen. Ed (19)	2
MAT 105 or higher (20)	3
TOTAL	**18**

Second Semester

EDF 103	2
ASL 101	3
Emphasis (GEW 02)	3
Gen. Ed (05)	3
CSC 104 or CIS 212 (Restrictive Elective)	3
Gen. Ed. (17)	1
TOTAL	**15**

Summer

Gen. Ed (06)	3
Gen. Ed (13)	3
TOTAL	**6**

Sophomore Year

First Semester

EDF 203	2
SED 260	3
SED 356	3
MAT 201 (GEW 03)	3
Emphasis	3
Gen. Ed. (10)	3
Gen. Ed. (18)	1
TOTAL	**18**

Second Semester

EPY 319	4
SED 337	3
MAT 202 (GEW 04)	3
Gen Ed (14)	3
Emphasis SPE 100 (GEW 20/2)	3
UWR	
TOTAL	**16**

Junior Year

First Semester

SED 338	3
SED 518	3
EMG 445	3
ELE 361 or 362	3
Emphasis	3
Emphasis	3
TOTAL	**18**

Second Semester

SED 388	3
SED 510	3
EMG 430	3
EMG 447	3
Emphasis	3
Emphasis	3
TOTAL	**18**

Senior Year

First Semester

SED 375	3
SED 380	3
SED 581	3
Gen. Ed. (15)	3
Gen. Ed. (08, 12, 16)	3
EMG 494	3
TOTAL	**18**

Second Semester

SED 545	3
SED 499	6
EMG 499	6
TOTAL	**15**

Suggested Curriculum Guide for Deaf and Hard of Hearing (P-12) with Middle Grade Education (5-9): Mathematics (B.S.)

Freshman Year

First Semester

EDO 100	1
SED 104	3
Gen Ed (01)	3
Gen Ed (07)	3
Gen. Ed. (09)	3
MAT 106 (GEW 21)	3
Gen Ed (19)	2
TOTAL	**18**

Second Semester

EDF 103	2
ASL 101	3
Gen. Ed. (02)	3
Gen. Ed. (05)	3
MAT 201 (GEW 03)	3
Gen. Ed. (17)	1
CSC 104 or CIS 212 (Restricted Elective)	3
TOTAL	**18**

Summer

Gen. Ed. (06)	3
TOTAL	**3**

Sophomore Year

First Semester

EDF 203	2
SED 260	3
SED 356	3
MAT 202 (GEW 04)	3
Emphasis	3
Gen. Ed (10)	3
Gen. Ed. (18)	1
TOTAL	**18**

Second Semester

EPY 319	4
SED 337	3
MAT 203	3
Emphasis	3
Gen. Ed. (14)	3
SPE 301 (20)	2
UWR	
TOTAL	**18**

Junior Year

First Semester

SED 338	3
SED 518	3
EMG 445	3
ELE 361 or 362	3
MAT 303	3
Gen. Ed. (15)	3
TOTAL	**18**

Second Semester

SED 388	3
SED 510	3
EMG 430	3
EMG 447	3
Emphasis	3
Gen. Ed (13)	3
TOTAL	**18**

Senior Year

First Semester

SED 375	3
SED 380	3
SED 581	3
Gen. Ed (08, 12, 16)	3
Gen. Ed. (11)	3
EMG 491	3
TOTAL	**18**

Second Semester

SED 545	3
SED 499	6
EMG 499	6
TOTAL	**15**

Suggested Curriculum Guide for Deaf and Hard of Hearing (P-12) with Middle Grade Education (5-9): Social Studies (B.S.)

Freshman Year

First Semester

EDO 100	1
SED 104	3
Gen. Ed (01)	3
Gen. Ed. (07)	3
Emphasis (GEW 09)	3
MAT 105 or higher (21)	3
Gen. Ed (19)	2
TOTAL	**18**

Second Semester

EDF 103	2
ASL 101	3
Gen. Ed (02)	3
Emphasis	3
MAT 201 (GEW 03)	3
Gen Ed (17)	1
CSC 104 or CIS 212 (Restricted Elective)	3
TOTAL	**18**

Summer

Gen. Ed (05)	3
TOTAL	**3**

Sophomore Year

First Semester

EDF 203	2
SED 260	3
SED 356	3
MAT 202 (GEW 04)	3
Emphasis	3
Emphasis (GEW 10)	3
Gen. Ed (18)	1
TOTAL	**18**

Second Semester

EPY 319	4
SED 337	3
MAT 203	3
Emphasis	3
Gen Ed (14)	3
SPE 301 (20)	2
UWR	
TOTAL	**18**

Junior Year

First Semester

SED 338	3
SED 518	3
EMG 445	3
ELE 361 or 362	3
MAT 303	3
Emphasis	3
TOTAL	**18**

Second Semester

SED 388	3
SED 510	3
EMG 430	3
EMG 447	3
Emphasis (GEW 11)	3
Gen Ed (13)	3
TOTAL	**18**

Senior Year

First Semester

SED 375	3
SED 380	3
SED 581	3
Emphasis (GEW 12)	3
Gen. Ed (15)	3
EMG 493	3
TOTAL	**18**

Second Semester

SED 545	3
SED 499	6
EMG 499	6
TOTAL	**15**

Suggested Curriculum Guide for Deaf and Hard of Hearing (P-12) with Middle Grade Education (5-9): Science (B.S.)

Freshman Year

First Semester

EDO 100	1
SED 104	3
Gen. Ed (01)	3
Gen. Ed (07)	3
Gen. Ed (09)	3
MAT 105 or higher (21)	3
Gen. Ed (19)	2
TOTAL	**18**

Second Semester

EDF 103	2
ASL 101	3
MAT 201 (GEW 03)	3
Emphasis (GEW 13)	3
Gen. Ed (02)	3
Gen. Ed (17)	1
CSC 104 or CIS 212 (Restricted Elective)	3
TOTAL	**18**

Summer

Gen. Ed (05)	3
TOTAL	**3**

Sophomore Year

First Semester

EDF 203	2
SED 260	3
SED 356	3
MAT 202 (GEW 04)	3
Emphasis (GEW 14)	3
Emphasis (GEW 15)	3
Gen. Ed (18)	1
TOTAL	**18**

Second Semester

EPY 319	4
SED 337	3
Emphasis (GEW 16)	3
Gen Ed (06)	3
SPE 301 (20)	2
UWR	
TOTAL	**15**

Junior Year

First Semester

SED 338	3
SED 518	3
EMG 445	3
ELE 361 or 362	3
Emphasis	3
Emphasis	3
TOTAL	**18**

Second Semester

SED 388	3
SED 510	3
EMG 430	3
EMG 447	3
Emphasis	3
Emphasis	3
TOTAL	**18**

Senior Year

First Semester

SED 375	3
SED 380	3
SED 581	3
Gen. Ed (11)	3
Gen. Ed. (12)	3
EMG 492	3
TOTAL	**18**

Second Semester

SED 545	3
SED 499	6
EMG 499	6
TOTAL	**15**

Suggested Curriculum Guide for Elementary Education (P-5): Arts & Humanities (General Track)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	ELE 322	2	ELE 446	3
Gen. Ed. (01)	3	MAT 202	3	ELE 361	3	ELE 490	3
CSC 104 or CIS 212 (03)	3	Gen. Ed (05)	3	HUM 124	3	ELE 491	3
MUS 171 (GEW 07)	3	Gen. Ed. (11)	3	Gen Ed (04, 12, 16)	3	ELE 492	3
Gen. Ed. (09)	3	Gen. Ed (13, 14)	3	Gen. Ed. (15)	3	ELE 493	3
Gen Ed. (17)	1	Gen. Ed. (19)	2	Restricted Elective	3	SED 401	3
MAT 105 or higher (21)	3	**TOTAL**	**16**	**TOTAL**	**17**	**TOTAL**	**18**
TOTAL	**17**	**Second Semester**		**Second Semester**		**Second Semester**	
Second Semester		EPY 319	4	ELE 365	2	ELE 499	12
EDF 103	2	LIB 301	3	ELE 362	3	**TOTAL**	**12**
MAT 201	3	THE 100	3	ELE 445	3		
ART 200 (GEW 08)	3	PHI 110 or 130	3	EPY 413	2		
Gen. Ed. (02)	3	Gen. Ed. (06)	3	FCC 220, 222, 226, 227, PHE 300, ART, or THE	3		
Gen. Ed. (10)	3	SPE 301 (20)	2	ENG 350 or 351	3		
Gen. Ed. (13,14)	3	UWR		**TOTAL**	**16**		
Gen Ed. (18)	1	**TOTAL**	**18**				
TOTAL	**18**						

Suggested Curriculum Guide for Elementary Education (P-5): Arts & Humanities (Visual Arts Track)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	ELE 322	2	ELE 446	3
ART 100 (GEW Restricted Elective)	3	MAT 202	3	ELE 361	3	ELE 490	3
Gen. Ed (01)	3	Gen. Ed (05)	3	ART 152	3	ELE 491	3
CSC 104 or CIS 212 (03)	3	ART 101	3	ART 210, 220, 230, 240 or 270	3	ELE 492	3
Gen. Ed (09)	3	Gen. Ed (13, 14)	3	Gen. Ed. (15)	3	ELE 493	3
Gen. Ed (17)	1	Gen Ed (19)	2	Gen Ed. (04, 08, 12, 16)	3	SED 401	3
MAT 105 or higher (21)	3	**TOTAL**	**16**	**TOTAL**	**17**	**TOTAL**	**18**
TOTAL	**17**	**Second Semester**		**Second Semester**		**Second Semester**	
Second Semester		EPY 319	4	ELE 365	2	ELE 499	12
EDF 103	2	LIB 301	3	ELE 362	3	**TOTAL**	**12**
MAT 201	3	Gen. Ed (06)	3	ELE 445	3		
ART 200 (GEW 07)	3	Gen. Ed. (11)	3	EPY 413	2		
Gen Ed (02)	3	Gen. Ed (04, 08, 12, 16)	3	ART 153	3		
Gen Ed (10)	3	SPE 301 (20)	2	ART 210, 220, 230, 240 or 270	3		
Gen Ed (13, 14)	3	UWR		**TOTAL**	**16**		
Gen Ed (18)	1	**TOTAL**	**18**				
TOTAL	**18**						

Suggested Curriculum Guide for Elementary Education (P-5): Arts & Humanities (Music Track)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	ELE 322	2	ELE 446	3
Gen. Ed. (01)	3	MAT 202	3	ELE 361	3	ELE 490	3
CSC 104 or CIS 212 (03)	3	Gen. Ed. (05)	3	MUS 272 (GEW Restricted Elective)	3	ELE 491	3
MUS 171 (GEW 07)	3	Gen. Ed. (11)	3	Emphasis Course	3	ELE 492	3
Gen Ed (09)	3	Gen Ed. (13, 14)	3	Gen. Ed (15)	3	ELE 493	3
Gen. Ed (17)	1	Gen Ed. (18)	1	Gen Ed (04, 08, 12, 16)	3	SED 401	3
MAT 105 or higher (21)	3	Gen. Ed. (19)	2	**TOTAL**	**17**	**TOTAL**	**18**
TOTAL	**17**	**TOTAL**	**17**	**Second Semester**		**Second Semester**	
Second Semester		**Second Semester**		ELE 362	3	ELE 499	12
EDF 103	2	EPY 319	4	ELE 365	2	**TOTAL**	**12**
MAT 201	3	LIB 301	3	ELE 445	3		
MUS 181 or 371	3 or 4	MUS 182 or 372	3 or 4	EPY 413	2		
Gen Ed. (02)	3	Gen Ed (06)	3	MUS. Applied and/or ensembles	4-8		
Gen. Ed. (10)	3	Gen Ed (12)	3	**TOTAL**	**14-18**		
Gen. Ed (13, 14)	3	SPE 301 (20)	2				
TOTAL	**17-18**	UWR					
		TOTAL	**18-19**				

Suggested Curriculum Guide for Elementary Education (P-5): Arts & Humanities (Humanities Track)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	ELE 322	2	ELE 446	3
Gen. Ed. (01)	3	MAT 202	3	ELE 361	3	ELE 490	3
CSC 104 or CIS 212 (03)	3	HUM 226 (GEW 05)	3	PHI 100 or 110	3	ELE 491	3
HUM 124	3	Gen. Ed. (11)	3	Gen. Ed (04, 08, 12, 16)	3	ELE 492	3
Gen. Ed (09)	3	Gen Ed (13, 14)	3	Gen Ed (15)	3	ELE 493	3
Gen. Ed (17)	1	Gen. Ed (19)	2	SPE 301 (20)	2	SED 401	3
MAT 105 or higher (21)	3	**TOTAL**	16	**TOTAL**	16	**TOTAL**	18
TOTAL	17	**Second Semester**		**Second Semester**		**Second Semester**	
Second Semester		EPY 319	4	ELE 365	2	ELE 499	12
EDF 103	2	LIB 301	3	ELE 362	3	**TOTAL**	12
MAT 201	3	HUM 228 (GEW 06)	3	ELE 445	3		
Emphasis Course	3	MUS 272	3	EPY 413	2		
Gen. Ed (02)	3	Gen. Ed (04, 08, 12, 16)	3	ENG 350, 351, FCC 220, 222, 226, 227, HUM 300, PHE 200 or REL 301	6		
Gen. Ed (10)	3	SPE 301 (20)	2	**TOTAL**	16		
Gen. Ed (13, 14)	3	UWR					
Gen. Ed. (18)	1	**TOTAL**	18				
TOTAL	18						

Suggested Curriculum Guide for Elementary Education (P-5): English/Communications

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	ELE 322	2	ELE 446	3
Gen Ed (GEW 01)	3	MAT 202	3	ELE 361	3	ELE 490	3
CSC 104 or CIS 212 (03)	3	Gen. Ed (05)	3	ENG 301	3	ELE 491	3
Gen. Ed. (07)	3	Gen. Ed. (11)	3	Gen Ed (15)	3	ELE 492	3
Gen Ed. (09)	3	Gen. Ed (13, 14)	3	Gen. Ed (04, 08, 12, 16)	3	ELE 493	3
Gen Ed. (17)	1	Gen. Ed (19)	2	Restricted Elective	2	SED 401	3
MAT 105 or higher (21)	3	**TOTAL**	17	**TOTAL**	16	**TOTAL**	18
TOTAL	17	**Second Semester**		**Second Semester**		**Second Semester**	
Second Semester		EPY 319	4	ELE 365	2	ELE 499	12
EDF 103	2	LIB 301	3	ELE 362	3	**TOTAL**	12
MAT 201	3	Emphasis Course	3	ELE 445	3		
Gen. Ed. (GEW 02)	3	Gen. Ed (06)	3	EPY 413	2		
SPE 100 (GEW 20)	3	Gen. Ed. (04, 08, 12, 16)	3	ENG 350, 351, or 359	3		
Gen Ed (10)	3	UWR		ENG 405 or 410	3		
Gen. Ed. (13, 14)	3	**TOTAL**	16	**TOTAL**	16		
Gen. Ed. (18)	1						
TOTAL	18						

Suggested Curriculum Guide for Elementary Education (P-5): Foreign Language (French, German, or Spanish)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	ELE 322	2	ELE 446	3
Gen. Ed. (01)	3	MAT 202	3	ELE 361	3	ELE 490	3
Gen. Ed. (07)	3	Emphasis Course (GEW 04)	3	Emphasis Course	3	ELE 491	3
Gen. Ed (09)	3	Gen. Ed (05)	3	Emphasis Course	3	ELE 492	3
Gen Ed. (17)	1	Gen. Ed (11)	3	Gen Ed (15)	3	ELE 493	3
MAT 105 or higher (21)	3	Gen. Ed (13, 14)	3	SPE 301 (20)	2	SED 401	3
CSC 104 or CIS 212 (Restricted Elective)	3	**TOTAL**	17	**TOTAL**	16	**TOTAL**	18
TOTAL	17	**Second Semester**		**Second Semester**		**Second Semester**	
Second Semester		EPY 319	4	ELE 365	2	ELE 499	12
EDF 103	2	LIB 301	3	ELE 362	3	**TOTAL**	12
MAT 201	3	Emphasis Course	3	ELE 445	3		
Emphasis Course (GEW 03)	3	Gen. Ed (06)	3	EPY 413	2		
Gen. Ed. (02)	3	Gen. Ed (08, 12, 16)	3	Emphasis Course	3		
Gen Ed (10)	3	Gen. Ed (19)	2	Emphasis Course	3		
Gen. Ed. (13, 14)	3	UWR		**TOTAL**	16		
Gen. Ed. (18)	1	**TOTAL**	18				
TOTAL	18						

Suggested Curriculum Guide for Elementary Education (P-5): Kindergarten

Freshman Year

First Semester

EDO 100	1
Gen. Ed (01)	3
CSC 104 or CIS 212 (03)	3
Gen. Ed. (07)	3
Gen. Ed (09)	3
Gen Ed (17)	1
MAT 105 or higher (21)	3
TOTAL	**17**

Second Semester

EDF 103	2
MAT 201	3
CDF 132, SOC 245, or HEA 375	3
Gen. Ed (02)	3
Gen. Ed (10)	3
Gen. Ed (13, 14)	3
Gen. Ed (18)	1
TOTAL	**18**

Sophomore Year

First Semester

EDF 203	2
MAT 202	3
Gen. Ed. (05)	3
Gen. Ed. (11)	3
Gen Ed. (13, 14)	3
Gen. Ed (19)	2
TOTAL	**16**

Second Semester

EPY 319	4
LIB 301	3
CDF 244	3
Gen. Ed. (06)	3
Gen. Ed (04, 08, 12)	3
SPE 301 (20)	2
UWR	
TOTAL	**18**

Junior Year

First Semester

ELE 322	2
ELE 361	3
ELE 362	3
ELE 365	2
AGR 577, BIO 317, CSC 178, or TEC 322 (GEW 16)	3
Gen. Ed (15)	3
TOTAL	**16**

Second Semester

ELE 445	3
EPY 413	2
SED 518	3
CDF 346, OTS 515, SED 260 (GEW Restricted Elective)	3
ELE 519	3
CDF 247	3
TOTAL	**17**

Senior Year

First Semester

ELE 446	3
ELE 490	3
ELE 491	3
ELE 492	3
ELE 493	3
SED 401	3
TOTAL	**18**

Second Semester

ELE 499	12
TOTAL	**12**

Suggested Curriculum Guide for Elementary Education (P-5): Mathematics

Freshman Year

First Semester

EDO 100	1
Gen. Ed (01)	3
MAT 106 (GEW 21)	3
CSC 104 (GEW 03)	3
Gen. Ed (07)	3
Gen. Ed (09)	3
Gen. Ed (17)	1
TOTAL	**17**

Second Semester

EDF 103	2
MAT 107	3
MAT 201	3
Gen Ed (02)	3
Gen. Ed (10)	3
Gen. Ed (13, 14)	3
Gen. Ed (18)	1
TOTAL	**18**

Sophomore Year

First Semester

EDF 203	2
MAT 202	3
Gen Ed (05)	3
Gen Ed (11)	3
Gen. Ed. (13, 14)	3
Gen Ed (19)	2
TOTAL	**16**

Second Semester

EPY 319	4
LIB 301	3
CSC 175	3
Gen. Ed. (06)	3
SPE 301 (20)	2
UWR	
TOTAL	**15**

Junior Year

First Semester

ELE 322	2
ELE 361	3
MAT 203	3
Gen Ed (15)	3
Gen Ed (08, 12, 16)	3
Restricted Elective	3
TOTAL	**17**

Second Semester

ELE 365	2
ELE 362	3
ELE 445	3
EPY 413	2
MAT 303	3
STA 270 (GEW 04)	3
TOTAL	**16**

Senior Year

First Semester

ELE 446	3
ELE 490	3
ELE 491	3
ELE 492	3
ELE 493	3
SED 401	3
TOTAL	**18**

Second Semester

ELE 499	12
TOTAL	**12**

Suggested Curriculum Guide for Elementary Education (P-5): Multi-Disciplinary

Freshman Year

First Semester

EDO 100	1
Gen. Ed. (01)	3
CSC 104 or CIS 212 (03)	3
Gen Ed (07)	3
Gen Ed (09)	3
Gen Ed (17)	1
MAT 105 or higher (21)	3
TOTAL	**17**

Second Semester

EDF 103	2
MAT 201	3
HIS 202 (GEW 10) or 203 (GEW 11)	3
ART 200, FCC 220, 222, 226, 227, MUS 171, PHE 300, THE 100	3
Gen Ed (02)	3
Gen Ed (18)	1
Gen Ed (13, 14)	3
TOTAL	**18**

Sophomore Year

First Semester

EDF 203	2
MAT 202	3
GEO 322 or 345 (GEW 12)	3
Gen Ed (05)	3
Gen Ed (13, 14)	3
Gen. Ed (19)	2
TOTAL	**16**

Second Semester

EPY 319	4
LIB 301	3
AST 130, 135, CNM 101, 102, GLY 215, NAT 172, 173	3
Gen Ed (06)	3
Gen Ed (10 or 11)	3
SPE 301 (20)	2
UWR	
TOTAL	**18**

Junior Year

First Semester

ELE 322	2
ELE 361	3
ENG 359, POL 332, BIO 304	3
Gen. Ed (15)	3
Gen. Ed (04, 08, 12, 16)	3
Restricted Elective	3
TOTAL	**17**

Second Semester

ELE 365	2
ELE 362	3
ELE 445	3
EPY 413	2
ENG 301, 302, 502, 503	3
BIO 317, GLY 302, 390, NAT 380, MAT 203, 502	3
TOTAL	**16**

Senior Year

First Semester

ELE 446	3
ELE 490	3
ELE 491	3
ELE 492	3
ELE 493	3
SED 401	3
TOTAL	**18**

Second Semester

ELE 499	12
TOTAL	**12**

Suggested Curriculum Guide for Elementary Education (P-5): Science

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	ELE 322	2	ELE 446	3
Gen. Ed (01)	3	MAT 202	3	ELE 361	3	ELE 490	3
CSC 104 or CIS 212 (03)	3	Emphasis (GEW 13, 14)	3	Emphasis Course	3	ELE 491	3
Gen. Ed. (07)	3	Gen. Ed (05)	3	Gen. Ed (15)	3	ELE 492	3
Gen. Ed. (09)	3	Gen. Ed (11)	3	Gen. Ed (04, 08, 12, 16)	3	ELE 493	3
Gen. Ed (17)	1	Gen. Ed (19)	2	Restricted Elective	3	SED 401	3
MAT 105 or higher (21)	3	**TOTAL**	**16**	**TOTAL**	**17**	**TOTAL**	**18**
TOTAL	**17**	**Second Semester**		**Second Semester**		**Second Semester**	
Second Semester		EPY 319	4	ELE 365	2	ELE 499	12
EDF 103	2	LIB 301	3	ELE 362	3	**TOTAL**	**12**
MAT 201	3	Emphasis Course	3	ELE 445	3		
Emphasis Course	3	Gen. Ed. (06)	3	EPY 413	2		
Emphasis (GEW 13, 14)	3	Gen. Ed (04, 08, 12, 16)	3	Emphasis Course	3		
Gen. Ed. (02)	3	SPE 301 (20)	2	Emphasis Course	3		
Gen Ed. (10)	3	UWR		**TOTAL**	**16**		
Gen Ed. (18)	1	**TOTAL**	**18**				
TOTAL	**18**						

Suggested Curriculum Guide for Elementary Education (P-5): Social and Behavioral Sciences

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	ELE 322	2	ELE 446	3
Gen. Ed. (01)	3	MAT 202	3	ELE 361	3	ELE 490	3
CSC 104 or CIS 212 (03)	3	HIS 247 (GEW 11)	3	GEO 101 or GEO 345	3	ELE 491	3
Gen Ed (07)	3	Gen Ed (05)	3	Gen. Ed (15)	3	ELE 492	3
Gen. Ed. (09)	3	Gen Ed (13, 14)	3	Gen. Ed. (04, 08, 12, 16)	3	ELE 493	3
Gen Ed (17)	1	Gen Ed (19)	2	Restricted Elective	3	SED 401	3
MAT 105 or higher (21)	3	**TOTAL**	**16**	**TOTAL**	**17**	**TOTAL**	**18**
TOTAL	**17**	**Second Semester**		**Second Semester**		**Second Semester**	
Second Semester		EPY 319	4	ELE 365	2	ELE 499	12
EDF 103	2	LIB 301	3	ELE 362	3	**TOTAL**	**12**
MAT 201	3	SOC 245 or CDF 132	3	ELE 445	3		
HIS 246 (GEW 10)	3	Gen. Ed (06)	3	EPY 413	2		
ECO 130	3	Gen. Ed. (04, 08, 12, 16)	3	ANT 330, HIS 330, HIS 305, 383, 405, POL 316, SOC 360	3		
Gen. Ed (02)	3	SPE 301 (20)	2	HIS 516, POL 332	3		
Gen. Ed (18)	1	UWR		**TOTAL**	**16**		
Gen. Ed (13,14)	3	**TOTAL**	**18**				
TOTAL	**18**						

Suggested Curriculum Guide for Interpreter Training Program (B.S.)

Freshman		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
ASL 101	3	ASL 201 (GEW 03)	3	ASL 301	3	ITP 470	3
Gen. Ed (01)	3	HUM 226 (05)	3	Gen. Ed (11)	3	ITP 425	3
Gen. Ed (21)	3	SED 115	3	ITP 315	3	ITP 490	3
ANT 120 (GEW 09)	3	Gen. Ed (10)	3	ITP 310	1	ITP 420	3
HPR 180 (17)	1	Gen. Ed (14)	3	SED 230	3	ITP 430	3
EDO 100	1	**TOTAL**	**15**	Gen. Ed (08, 12, or 16)	3	**TOTAL**	**15**
Gen. Ed (13)	3	**Second Semester**		**TOTAL**	**16**	**Second Semester**	
TOTAL	**17**	ASL 202 (GEW 04)	3	**Second Semester**		ITP 480	12
Second Semester		HUM 228 (06)	3	ASL 302	3	SED 104	3
ASL 102	3	ITP 220	3	ITP 390	3	**TOTAL**	**15**
Gen. Ed (02)	3	Gen. Ed (15)	3	ITP 320	3		
HUM 124 (07)	3	ITP 215	3	SED 337	3		
SPE 301 (20)	2	UWR		ITP 370	3		
Gen. Ed (18)	1	**TOTAL**	**15**	SOC 310	3		
Gen. Ed. (19)	2			**TOTAL**	**18**		
Restricted Elective	3						
TOTAL	**17**						

Suggested Curriculum Guide for Middle Grade Education (5-9): English & Communications/Mathematics

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	ENG 301	3	EMG 430	3
Gen. Ed. (GEW 01)	3	MAT 202	3	ENG 350 or 351	3	EMG 447	3
MAT 106 (GEW 21)	3	Gen. Ed. (05)	3	ENG 410	3	EMG 491	3
CSC 104 or CIS 212 (Restricted Elective)	3	Gen. Ed. (11)	3	MAT 203	3	EMG 494	3
Gen. Ed. (07)	3	Gen. Ed. (13, 14)	3	STA 270 (GEW 04)	3	SED 401	3
Gen. Ed. (10)	3	Free Electives	2	Gen. Ed (08, 12, 16)	3	**TOTAL**	**15**
Gen. Ed. (17)	1	**TOTAL**	**16**	**TOTAL**	**18**	**Second Semester**	
TOTAL	**17**	**Second Semester**		**Second Semester**		EMG 499	12
Second Semester		EPY 319	4	EMG 445	3	**TOTAL**	**12**
EDF 103	2	CSC 175	3	EPY 413	2		
Gen. Ed. (GEW 02)	3	SPE 100 (GEW 20)	3	LIB 501	3		
MAT 201	3	Gen. Ed (06)	3	MAT 303	3		
Gen. Ed. (09)	3	Gen. Ed (15)	3	MAT 211 or 261 (GEW 03)	3		
Gen. Ed (13,14)	3	Gen. Ed. (19)	2	ENG 405, 510, 520, EME 551	3		
Gen. Ed (18)	1	UWR		**TOTAL**	**17**		
TOTAL	**15**	**TOTAL**	**18**				

Suggested Curriculum Guide for Middle Grade Education (5-9): English & Communications/Science

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	ENG 350, 351	3	EMG 430	3
Gen. Ed (01)	3	Science Emphasis Course	3	ENG 410	3	EMG 447	3
CSC 104 or CIS 212 (03)	3	SPE 100 (GEW 20)	3	Science Emphasis Course	3	EMG 492	3
Gen. Ed (07)	3	Emphasis (13,14)	3	Gen. Ed. (15)	3	EMG 494	3
Gen. Ed. (10)	3	Gen. Ed (05)	3	Gen. Ed (04, 08, 12, 16)	3	SED 401	3
Gen. Ed (17)	1	Gen. Ed. (04, 08, 12, 16)	3	Restricted Elective	3	**TOTAL**	**15**
MAT 105 or higher (21)	3	**TOTAL**	**17**	**TOTAL**	**18**	**Second Semester**	
TOTAL	**17**	**Second Semester**		**Second Semester**		EMG 499	12
Second Semester		EPY 319	4	EMG 445	3	**TOTAL**	**12**
EDF 103	2	ENG 301	3	EPY 413	2		
Gen. Ed. (02)	3	Science Emphasis Course	3	ENG 405, 510, 520, EME 551	3		
Emphasis (GEW 13,14)	3	Science Emphasis Course	3	LIB 501	3		
Gen Ed (09)	3	Gen. Ed (06)	3	Science Emphasis Course	3		
Gen. Ed. (11)	3	Gen. Ed. (19)	2	Science Emphasis Course	3		
Gen. Ed (18)	1	UWR		**TOTAL**	**17**		
TOTAL	**15**	**TOTAL**	**18**				

Suggested Curriculum Guide for Middle Grade Education (5-9): English & Communications/Social Studies

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	ENG 350, 351	3	EMG 430	3
Gen. Ed (01)	3	POL 100, 101	3	ENG 410	3	EMG 447	3
HIS 202 (GEW 10)	3	SPE 100 (GEW 20)	3	HIS 247	3	EMG 493	3
CSC 104 or CIS 212 (03)	3	Gen Ed (05)	3	Gen Ed (04, 08, 12, 16)	3	EMG 494	3
Gen. Ed (07)	3	Gen. Ed. (04, 08, 12, 16)	3	Gen. Ed. (15)	3	SED 401	3
Gen. Ed. (17)	1	Gen. Ed. (13,14)	3	Restricted Elective	3	**TOTAL**	**15**
MAT 105 or higher (21)	3	**TOTAL**	**17**	**TOTAL**	**18**	**Second Semester**	
TOTAL	**17**	**Second Semester**		**Second Semester**		EMG 499	12
Second Semester		EPY 319	4	EMG 445	3	**TOTAL**	**12**
EDF 103	2	ECO 120, 130	3	EPY 413	2		
Gen. Ed. (02)	3	ENG 301	3	ANT 120, 325, SOC 120, 245	3		
HIS 203 (GEW 11)	3	HIS 246	3	ENG 405, 510, 520, EME 551	3		
Gen. Ed. (09)	3	Gen. Ed. (06)	3	GEO 345	3		
Gen. Ed. (13,14)	3	Gen. Ed. (19)	2	LIB 501	3		
Gen. Ed. (18)	1	UWR		**TOTAL**	**17**		
TOTAL	**15**	**TOTAL**	**18**				

Suggested Curriculum Guide for Middle Grade Education (5-9): Mathematics/Science

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	MAT 203	3	EMG 430	3
MAT 106 (GEW 21)	3	MAT 202	3	Science Emphasis Course	3	EMG 447	3
Gen. Ed (01)	3	Emphasis (GEW 13,14)	3	Science Emphasis Course	3	EMG 491	3
CSC 104 or CIS 212 (Restricted Elective)	3	Gen. Ed. (05)	3	STA 270 (GEW 04)	3	EMG 492	3
Gen. Ed. (07)	3	Gen. Ed. (11)	3	Gen. Ed. (08, 12, 16)	3	SED 401	3
Gen. Ed (10)	3	Gen. Ed. (19)	2	Science Emphasis Course	3	**TOTAL**	**15**
Gen. Ed (17)	1	**TOTAL**	**16**	**TOTAL**	**18**	**Second Semester**	
TOTAL	**17**	**Second Semester**		**Second Semester**		EMG 499	12
Second Semester		EPY 319	4	EMG 445	3	**TOTAL**	**12**
EDF 103	2	CSC 175	3	EPY 413	2		
Science Emphasis (GEW 13,14)	3	Science Emphasis Course	3	MAT 211, 261 (GEW 03)	3		
MAT 201	3	Gen. Ed (06)	3	MAT 303	3		
Gen. Ed. (02)	3	Gen. Ed. (15)	3	Science Emphasis Course	3		
Gen. Ed (09)	3	SPE 301 (20)	2	Science Emphasis Course	3		
Gen. Ed. (18)	1	UWR		**TOTAL**	**17**		
TOTAL	**15**	**TOTAL**	**18**				

Suggested Curriculum Guide for Middle Grade Education (5-9): Mathematics/Social Studies

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	CSC 175	3	EMG 430	3
HIS 202 (GEW 10)	3	MAT 202	3	HIS 247	3	EMG 447	3
MAT 106 (GEW 21)	3	POL 100, 101	3	MAT 203	3	EMG 491	3
CSC 104 or CIS 212 (Restricted Elective)	3	Gen. Ed (05)	3	STA 270 (GEW 04)	3	EMG 493	3
Gen. Ed. (01)	3	Gen. Ed (13,14)	3	Gen. Ed (09)	3	SED 401	3
Gen. Ed. (07)	3	Gen. Ed (19)	2	Gen. Ed (15)	3	**TOTAL**	**15**
Gen. Ed (17)	1	**TOTAL**	**16**	**TOTAL**	**18**	**Second Semester**	
TOTAL	**17**	**Second Semester**		**Second Semester**		EMG 499	12
Second Semester		EPY 319	4	EMG 445	3	**TOTAL**	**12**
EDF 103	2	ECO 123, 130	3	EPY 413	2		
HIS 203 (GEW 11)	3	HIS 246	3	ANT 120, 325, SOC 131, 235	3		
Gen. Ed (02)	3	Gen. Ed (06)	3	GEO 345	3		
MAT 201	3	Gen. Ed. (08, 12, 16)	3	MAT 211, 261 (GEW 03)	3		
Gen. Ed. (13,14)	3	SPE 301 (20)	2	MAT 303	3		
Gen. Ed (18)	1	UWR		**TOTAL**	**17**		
TOTAL	**15**	**TOTAL**	**18**				

Suggested Curriculum Guide for Middle Grade Education (5-9): Science/Social Studies

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	ANT 120, 325, SOC 131, 235	3	EMG 430	3
HIS 202 (GEW 10)	3	POL 100, 101	3	HIS 246	3	EMG 447	3
CSC 104 or CIS 212 (03)	3	Science Emphasis Course	3	Science Emphasis Course	3	EMG 492	3
Gen. Ed (01)	3	Emphasis (GEW 13,14)	3	Gen. Ed. (15)	3	EMG 493	3
Gen. Ed (07)	3	Gen. Ed. (05)	3	Gen. Ed (04, 08, 12, 16)	3	SED 401	3
Gen. Ed (17)	1	Gen. Ed (19)	2	Restricted Elective	3	Science Emphasis Course	3
MAT 105 or higher (21)	3	**TOTAL**	**16**	**TOTAL**	**18**	**TOTAL**	**18**
TOTAL	**17**	**Second Semester**		**Second Semester**		**Second Semester**	
Second Semester		EPY 319	4	EMG 445	3	EMG 499	12
EDF 103	2	ECO 120, 130	3	EPY 412	2	**TOTAL**	**12**
Emphasis (GEW 13,14)	3	Science Emphasis Course	3	GEO 345	3		
HIS 203 (GEW 11)	3	Gen Ed. (06)	3	HIS 247	3		
Gen. Ed (02)	3	Gen Ed. (04, 08,12,16)	3	Science Emphasis Course	3		
Gen. Ed (09)	3	SPE 301 (20)	2	Science Emphasis Course	3		
Gen. Ed. (18)	1	UWR		**TOTAL**	**17**		
TOTAL	**15**	**TOTAL**	**18**				

Suggested Curriculum Guide for Learning and Behavior Disorders (P-12) with Elementary Education (P-5)

Freshman Year

First Semester

EDO 100	1
SED 104	3
Gen. Ed. (01)	3
Gen. Ed (09)	3
Gen. Ed. (13)	3
Gen. Ed. (19)	2
MAT 105 or higher (21)	3
TOTAL	**18**

Second Semester

EDF 103	2
SED 260	3
CSC 104 or CIS 212 (Restrictive Elective)	3
Gen. Ed (02)	3
Gen Ed (05)	3
Gen. Ed (10)	3
Gen. Ed (17)	1
TOTAL	**18**

Sophomore Year

First Semester

EDF 203	2
ELE 362	3
MAT 201 (GEW 03)	3
Gen. Ed. (07)	3
Gen. Ed. (11)	3
Gen. Ed. (18)	1
Gen. Ed. (08, 12, 16)	3
TOTAL	**18**

Second Semester

EPY 319	4
Gen. Ed. (06)	3
ELE 322	2
LIB 301	3
MAT 202	3
SPE 301 (20)	2
UWR	
TOTAL	**17**

Junior Year

First Semester

SED 388	3
SED 341	3
SED 351	3
SED 518	3
ELE 445	3
ELE 361	3
TOTAL	**18**

Second Semester

SED 375	3
SED 356	3
SED 434	3
Gen Ed. (14)	3
ELE 365	2
Gen. Ed. (15)	3
TOTAL	**17**

Senior Year

First Semester

ELE 446	3
ELE 490	3
ELE 491	3
ELE 492	3
ELE 493	3
TOTAL	**15**

Second Semester

SED 545	3
SED 499	6
ELE 499	6
TOTAL	**15**

Suggested Curriculum Guide for Moderate and Severe Disabilities (P-12) Teaching

Freshman Year

First Semester

EDO 100	1
SED 104	3
Gen. Ed. (01)	3
Gen. Ed. (07)	3
Gen. Ed. (09)	3
MAT 105 or higher (21)	3
Gen. Ed. (17)	1
TOTAL	**17**

Second Semester

EDF 103	2
SED 260	3
MAT 201 (GEW 03)	3
Gen. Ed. (13)	3
Gen Ed (02)	3
CSC 104 or CIS 212 (Restricted Elective)	3
TOTAL	**17**

Sophomore Year

First Semester

EDF 203	2
Gen. Ed (19)	2
LIB 301	3
MAT 202 (GEW 04)	3
Gen. Ed. (14)	3
Gen. Ed. (18)	1
TOTAL	**14**

Second Semester

EPY 319	4
SED 300	3
SED 388	3
Gen. Ed (05)	3
SPE 301 (20)	2
UWR	
TOTAL	**15**

Junior Year

First Semester

SED 304	3
SED 353	3
SED 341	3
SED 518	3
ELE 445	3
Gen. Ed. (06)	3
TOTAL	**18**

Second Semester

SED 435	3
SED 577	3
ELE 446	3
OTS 515	3
Gen. Ed. (10)	3
Gen. Ed. (11)	3
TOTAL	**18**

Senior Year

First Semester

SED 375	3
SED 545	3
ELE 491	3
NSC 500	3
Gen. Ed. (08, 12, 16)	3
Gen. Ed. (15)	3
TOTAL	**18**

Second Semester

SED 499	12
TOTAL	**12**

Suggested Curriculum Guide for Learning and Behavior Disorders (P-12) with Middle Grade Education (5-9): English & Communications

Freshman Year

First Semester

EDO 100	1
SED 104	3
Emphasis (GEW 01)	3
Gen. Ed (07)	3
Gen. Ed (09)	3
Gen. Ed (19)	2
MAT 105 or higher (20)	3
TOTAL	**18**

Second Semester

EDF 103	2
SED 260	3
Emphasis (02)	3
Gen. Ed (13)	3
CSC 104 or CIS 212 (Restrictive Elective)	3
MAT 201 (GEW 03)	3
Gen. Ed (17)	1
TOTAL	**18**

Sophomore Year

First Semester

EDF 203	2
Gen. Ed (05)	3
MAT 202 (GEW 04)	3
ELE 361 or 362	3
Emphasis	3
Gen. Ed (10)	3
Gen. Ed (18)	1
TOTAL	**18**

Second Semester

EPY 319	4
Gen. Ed (06)	3
Gen. Ed (11)	3
Emphasis SPE 100 (GEW 20)	3
Emphasis	3
UWR	
TOTAL	**16**

Junior Year

First Semester

SED 341	3
SED 351	3
SED 388	3
SED 518	3
ELE 445	3
Emphasis	3
TOTAL	**18**

Second Semester

Gen. Ed (14)	3
SED 356	3
EMG 430	3
EMG 447	3
Emphasis	3
Emphasis	3
TOTAL	**18**

Senior Year

First Semester

SED 375	3
SED 434	3
Gen. Ed. (15)	3
Gen. Ed. (08, 12, 16)	3
EMG 494	3
TOTAL	**15**

Second Semester

SED 545	3
SED 499	6
EMG 499	6
TOTAL	**15**

Suggested Curriculum Guide for Learning and Behavior Disorders (P-12) with Middle Grade Education (5-9): Mathematics

Freshman Year

First Semester

EDO 100	1
SED 104	3
Gen. Ed. (01)	3
Gen. Ed. (07)	3
Gen. Ed. (09)	3
MAT 106 (GEW 21)	3
Gen. Ed. (19)	2
TOTAL	**18**

Second Semester

EDF 103	2
SED 260	3
Gen. Ed (02)	3
Gen. Ed (13)	3
MAT 201 (GEW 03)	3
Gen. Ed (17)	1
CSC 104 or CIS 212 (Restricted Elective)	3
TOTAL	**18**

Sophomore Year

First Semester

EDF 203	2
SED 341	3
SED 351	3
MAT 202 (GEW 04)	3
Emphasis	3
Gen. Ed (10)	3
Gen. Ed. (18)	1
TOTAL	**18**

Second Semester

EPY 319	4
SED 356	3
MAT 203	3
Emphasis	3
Gen. Ed (14)	3
SPE 301 (20) UWR	2
TOTAL	**18**

Junior Year

First Semester

Gen. Ed (05)	3
SED 518	3
EMG 445	3
ELE 361 or 362	3
MAT 303	3
Gen. Ed (15)	3
TOTAL	**18**

Second Semester

SED 388	3
Gen. Ed (06)	3
EMG 430	3
EMG 447	3
Emphasis	3
TOTAL	**15**

Senior Year

First Semester

SED 375	3
SED 434	3
Gen. Ed (08, 12, 16)	3
Gen. Ed (11)	3
EMG 491	3
TOTAL	**15**

Second Semester

SED 545	3
SED 499	6
EMG 499	6
TOTAL	**15**

Suggested Curriculum Guide for Learning and Behavior Disorders (P-12) with Middle Grade Education (5-9): Social Studies

Freshman Year

First Semester

EDO 100	1
SED 104	3
Gen. Ed (01)	3
Gen. Ed (07)	3
Emphasis (GEW 09)	3
MAT 105 or higher (21)	3
Gen. Ed (19)	2
TOTAL	**18**

Second Semester

EDF 103	2
SED 260	3
Gen. Ed (02)	3
Emphasis	3
MAT 201 (GEW 03)	3
Gen. Ed (17)	1
CSC 104 or CIS 212 (Restricted Elective)	3
TOTAL	**18**

Sophomore Year

First Semester

EDF 203	2
SED 341	3
SED 351	3
MAT 202 (GEW 04)	3
Emphasis	3
Emphasis (GEW 10)	3
Gen. Ed (18)	1
TOTAL	**18**

Second Semester

EPY 319	4
SED 356	3
Emphasis	3
Gen. Ed (13)	3
SPE 301 (20) UWR	2
TOTAL	**15**

Junior Year

First Semester

SED 518	3
EMG 445	3
ELE 361 or 362	3
Gen. Ed. (05)	3
Gen. Ed (14)	3
Emphasis	3
TOTAL	**18**

Second Semester

SED 388	3
EMG 430	3
EMG 447	3
Gen. Ed (06)	3
Emphasis (GEW 11)	3
TOTAL	**15**

Senior Year

First Semester

SED 375	3
SED 434	3
EMG 493	3
Emphasis (GEW 12)	3
Gen. Ed (15)	3
TOTAL	**15**

Second Semester

SED 545	3
SED 499	6
EMG 499	6
TOTAL	**15**

Suggested Curriculum Guide for Learning and Behavior Disorders (P-12) with Middle Grade Education (5-9): Science

Freshman Year

First Semester

EDO 100	1
SED 104	3
Gen. Ed (01)	3
Gen. Ed. (07)	3
Gen. Ed (09)	3
MAT 105 or higher (21)	3
Gen. Ed. (19)	2
TOTAL	**18**

Second Semester

EDF 103	2
SED 260	3
MAT 201 (GEW 03)	3
Emphasis (GEW 13)	3
Gen. Ed (02)	3
Gen. Ed (17)	1
CSC 104 or CIS 212 (Restricted Elective)	3
TOTAL	**18**

Sophomore Year

First Semester

EDF 203	2
SED 341	3
SED 351	3
MAT 202 (GEW 04)	3
Emphasis (GEW 14)	3
Gen. Ed (05)	3
Gen. Ed. (18)	1
TOTAL	**18**

Second Semester

EPY 319	4
SED 356	3
Emphasis	3
Gen. Ed. (06)	3
Emphasis (GEW 15)	3
SPE 301 (20) UWR	2
TOTAL	**18**

Junior Year

First Semester

SED 388	3
SED 518	3
EMG 445	3
ELE 361 or 362	3
Emphasis	3
Emphasis	3
TOTAL	**18**

Second Semester

EMG 430	3
EMG 447	3
Emphasis	3
Gen. Ed (10)	3
Emphasis (GEW 16)	3
TOTAL	**15**

Senior Year

First Semester

SED 375	3
SED 434	3
Gen. Ed (11)	3
EMG 492	3
TOTAL	**12**

Second Semester

SED 545	3
SED 499	6
EMG 499	6
TOTAL	**15**

Suggested Curriculum Guide for Interdisciplinary Early Childhood Education
Special Education Early Childhood (P-5)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	EDF 203	2	SED 304	3	SED 375	3
SED 104	3	CDF 132	3	SED 341	3	SED 436	3
CSC 104 or CIS 213 (03)	3	CDF 241	3	SED 518	3	SED 577	3
Gen. Ed (01)	3	Gen. Ed. (05)	3	CDF 345	3	OTS 515	3
Gen. Ed (07)	3	Gen. Ed. (09)	3	SWK 456	3	ELE 519	3
MAT 105 or higher (21)	3	Gen. Ed. (13)	3	Gen. Ed. (15)	3	**TOTAL**	**15**
TOTAL	**16**	Gen Ed (18)	1	**TOTAL**	**18**	**Second Semester**	
Second Semester		**TOTAL**	**18**	**Second Semester**		SED 499	12
EDF 103	2	**Second Semester**		SED 352	3	SED 545	3
SED 260	3	CDF 244	3	SED 356	3	**TOTAL**	**15**
Gen. Ed. (02)	3	CDF 344	3	CDF 247	3		
Gen. Ed. (04, 08, 12, 16)	3	Gen. Ed. (04, 08, 12, 16)	3	NSC 500	3		
Gen. Ed. (06)	3	Gen Ed (11)	3	SPE 301 (20)	2		
Gen. Ed. (10)	3	Gen. Ed. (19)	2	**TOTAL**	**17**		
Gen. Ed. (17)	1	Restricted Elective	3				
TOTAL	**18**	UWR					
		TOTAL	**17**				

Suggested Curriculum Guide for Interdisciplinary Early Childhood Education
Special Education Early Childhood Non-teaching

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	CDF 132	3	SED 304	3	SED 352	3
SED 104	3	CDF 241	3	SED 341	3	SED 375	3
Gen. Ed (01)	3	Gen. Ed (06)	3	SED 518	3	SED 577	3
Gen. Ed (03)	3	Gen. Ed. (09)	3	CDF 345	3	OTS 515	3
Gen. Ed (07)	3	Gen. Ed (13)	3	SWK 456	3	ELE 519	3
MAT 105 (21)	3	Gen. Ed (18)	1	Gen. Ed (15)	3	**TOTAL**	**15**
TOTAL	**16**	**TOTAL**	**16**	**TOTAL**	**18**	**Second Semester**	
Second Semester		**Second Semester**		**Second Semester**		SED 375	6
SED 260	3	CDF 244	3	SED 356	3	SED 436	3
Gen Ed (02)	3	CDF 344	3	CDF 247	3	SED 545	3
Gen. Ed (04, 08, 12, 16)	3	Gen Ed (11)	3	NSC 500	3	Free Electives	4
Gen. Ed (05)	3	Gen. Ed (14)	3	Gen. Ed (04, 08, 12, 16)	3	**TOTAL**	**16**
Gen. Ed (10)	3	Restricted Elective	3	Gen. Ed (19)	2		
Gen Ed (17)	1	UWR		SPE 301 (20)	2		
TOTAL	**16**	**TOTAL**	**15**	**TOTAL**	**16**		

Suggested Curriculum Guide for Deaf and Hard of Hearing (P-12)
Non-teaching

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
EDO 100	1	ASL 102	3	SED 337	3	SED 375	3
SED 104	3	Minor Requirement	3	SED 341	3	Minor Requirement	3
Gen. Ed (01)	3	Gen. Ed. (04, 08, 12, 16)	3	SED 518	3	REC 511	3
Gen. Ed (07)	3	Gen. Ed. (14)	3	REC 311	3	Gen. Ed (04, 08, 12, 16)	3
Gen Ed (09)	3	Gen. Ed (18)	1	Minor Requirement	3	Gen. Ed (15)	3
MAT 105 (21)	3	Gen. Ed (19)	2	Gen Ed (06)	3	**TOTAL**	**15**
Gen. Ed (17)	1	**TOTAL**	**15**	**TOTAL**	**18**	**Second Semester**	
TOTAL	**17**	**Second Semester**		**Second Semester**		SED 375	6
Second Semester		EPY 319	4	SED 356	3	SED 545	3
SED 260	3	Minor Requirement	3	SED 380	3	Minor Requirement	3
Gen. Ed (02)	3	Minor Requirement	3	Minor Requirement	3	Minor Requirement	3
Gen. Ed (03)	3	Gen. Ed. (05)	3	Gen Ed (10)	3	**TOTAL**	**15**
Gen Ed (13)	3	SPE 301 (20)	2	Gen. Ed (11)	3		
Restricted Elective	3	UWR		**TOTAL**	**15**		
ASL 101	3	**TOTAL**	**15**				
TOTAL	**18**						

Suggested Curriculum Guide for Learning and Behavior Disorders
Non-teaching

Freshman Year

First Semester

EDO 100	1
SED 104	3
Gen. Ed (01)	3
Gen. Ed. (07)	3
Gen. Ed (09)	3
MAT 105 (21)	3
Gen. Ed (17)	1
TOTAL	**17**

Second Semester

SED 260	3
Gen. Ed. (02)	3
Gen. Ed. (03)	3
Gen. Ed (13)	3
Restricted Elective	3
Free Elective	3
TOTAL	**18**

Sophomore Year

First Semester

Free Elective	3
Minor Requirement	3
Gen. Ed (05)	3
Gen. Ed (14)	3
Gen. Ed (18)	1
Gen. Ed (19)	2
TOTAL	**15**

Second Semester

EPY 319	4
Minor Requirement	3
Gen. Ed (04, 08, 12, 16)	3
Gen. Ed. (06)	3
SPE 301 (20)	2
UWR	
TOTAL	**15**

Junior Year

First Semester

SED 341	3
SED 351	3
SED 518	3
REC 311	3
Minor Requirement	3
TOTAL	**15**

Second Semester

SED 356	3
SED 388	3
Minor Requirement	3
Gen. Ed (10)	3
Gen. Ed (11)	3
Free Elective	3
TOTAL	**18**

Senior Year

First Semester

SED 375	3
Minor Requirement	3
REC 511	3
Gen. Ed (04, 08, 12, 16)	3
Gen Ed. (15)	3
TOTAL	**15**

Second Semester

SED 375	6
SED 434	3
SED 545	3
Minor Requirement	3
TOTAL	**15**

Suggested Curriculum Guide for Moderate and Severe Disabilities (P-12)
Non-teaching

Freshman Year

First Semester

EDO 100	1
SED 104	3
Gen. Ed (01)	3
Gen. Ed (07)	3
Gen. Ed. (09)	3
MAT 105 (21)	3
Gen. Ed. (17)	1
TOTAL	**17**

Second Semester

SED 260	3
Gen. Ed. (02)	3
Gen. Ed. (03)	3
Gen. Ed. (13)	3
Restricted Elective	3
Minor Requirement	3
TOTAL	**18**

Sophomore Year

First Semester

Minor Requirement	3
Minor Requirement	3
Gen. Ed (04, 08, 12, 16)	3
Gen. Ed (14)	3
Gen. Ed (18)	1
Gen. Ed (19)	2
TOTAL	**15**

Second Semester

EPY 319	4
SED 356	3
SED 304	3
SED 388	3
Gen. Ed (05)	3
SPE 301 (20)	2
UWR	
TOTAL	**18**

Junior Year

First Semester

SED 341	3
SED 353	3
SED 518	3
REC 311	3
Minor Requirement	3
Gen. Ed. (06)	3
TOTAL	**18**

Second Semester

SED 435	3
SED 577	3
Minor Requirement	3
Gen. Ed. (10)	3
Gen. Ed (11)	3
TOTAL	**15**

Senior Year

First Semester

SED 375	3
Minor Requirement	3
REC 511	3
Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed (15)	3
TOTAL	**15**

Second Semester

SED 375	6
SED 545	3
Minor Requirement	3
Minor Requirement	3
TOTAL	**15**

College of Health Sciences

Dr. David D. Gale, Dean
(606) 622-1523

DEPARTMENT / AREA	CONTACT PERSON	PHONE
Clinical Laboratory Science	Dr. David Hufford, Chair	(606) 622-3078
Division of Continuing Education	Dr. Janet Collins, Director	(606) 622-2143
Environmental Health Science	Dr. David Hufford, Chair	(606) 622-1939
Health Education	Dr. Donald Calitri, Chair	(606) 622-1142
Health Information	Frances Hindsman, Chair	(606) 622-1915
Health Professions Learning Resource Center	Dr. Patsy Daugherty, Director	(606) 622-2091
Medical Services Technology	Dr. David Hufford, Chair	(606) 622-1028
Nursing (Associate)	Dr. Pat A. Holden, Chair	(606) 622-1942
Nursing (Baccalaureate & Graduate)	Dr. Deborah Whitehouse, Chair	(606) 622-1956
BSN/MSN Outreach	Dr. Carol Baugh, Coordinator	(606) 622-1971
Nursing Skills Lab	Brenda Foley, Manager	(606) 622-2092
Occupational Therapy	Dr. Onda Bennett, Chair	(606) 622-3300
Physical Education	Dr. Lonnie Davis, Chair	(606) 622-1887
Recreation & Park Administration	Dr. Larry Belknap, Chair	(606) 622-1833

The College of Health Sciences endorses the threefold mission of Eastern Kentucky University. This mission, for the College of Health Sciences, includes: (1) developing the intellectual capacities of our students by providing the highest level of instruction possible; (2) exploring avenues of applied research and scholarly activities that support the instructional mission of the college; and (3) providing discipline related service and/or consultation to organizations and agencies that enhance the teaching and scholarly activities of the college.

The Commonwealth of Kentucky recognizes the need for education of health sciences professionals; and, therefore, supports a broad range of health disciplines. Consequently, extensive arrays of health programs have been developed. The college offers educational opportunities in a variety of disciplines concerned with the maintenance and promotion of health.

Philosophy and Goals

The faculty of the college ascribes to the philosophy that each individual has the right to define a set of values and determine a commitment to them. Further, the identification of human values evolves through learning which enables the individual to search for knowledge and truth. The faculty acknowledges the individual's right to meet basic human needs, including the right to fully develop their potential.

Traditionally, health care was rendered primarily to the acutely ill in institutional settings. In the future, the health care focus will be disease prevention and health maintenance. Such a focus demands that practitioners be educated on a broad base built upon the biological, social, and physical sciences. Further, learners must be allowed to practice skills in a variety of health care systems.

The curricula of various programs comprise a series of planned educational experiences designed to facilitate learning and to lead to the achievement of clearly defined educational objectives. The learning of a curriculum enables students to acquire a body of knowledge, become proficient in skills, and gain appreciation for the practice of a chosen health care profession. Education as viewed by the faculty is a cumulative and ongoing process which results in increasing cognitive, psychomotor, and affective capabilities for those who pursue it.

Continuing education is one response to the need for life-long learning. The faculty believe that continuing education is essential to facilitate the promotion and improvement of health care delivery.

Contemporary American society's concern for leisure, recreation alternatives, fitness, and healthful living is manifested by the provision of vocations associated with these human needs and documented by the public's attention to these topics. The College has as a central focus the preparation of professionals to serve a multitude of citizens. Providing opportunities for enjoyment of leisure and the development of skills and habits necessary for full participation in healthful living are also significant functions.

Objectives of the College

1. To provide high-quality programs at the undergraduate and graduate level for individuals who wish to pursue a health profession. These programs provide the student with the professional knowledge and skills necessary for the delivery of high-quality health services.
2. To offer programs that present a professional body of knowledge supported by a liberal arts-based

interdisciplinary program designed for individuals with a career objective in health sciences.
3. To develop and expand the knowledge base in health sciences and to provide this information to the public within the health care system.
4. To develop effective programs that contribute to the societal needs of the Commonwealth and provide opportunities for students both on and off-campus to be responsive to the needs of the citizens of the Commonwealth of Kentucky, including both urban and rural health care programs.
5. To develop and maintain graduate programs that are relevant to society and reflect advanced knowledge and skills in the disciplines within health sciences.
6. To develop and provide opportunities for career mobility and continuing education for professionals, the public, and programs that will enhance services to the citizens of the Commonwealth.
7. To assist students to prepare for entrance and successfully complete a health care program.
8. To encourage development of learning experiences that will enhance the team concept in health care and the principles of lifelong learning.
9. To provide for career mobility and continuing education within the various health professions.
10. To provide selected general education courses.
11. To provide educational and wellness services to the University.
12. To promote a high level of wellness as a way of life.

Admission Requirements for College

The College of Health Sciences accepts applications from all persons who are qualified for admission to the University. All applicants must provide evidence of their ability to meet the academic standards established by the various programs. Due to enrollment limitations of programs, applications should be made early. Applications received after the deadline of a program will be processed and admissions recommended on a space available basis. Specific entrance requirements for each program are shown in the departmental sections of this Catalog.

Admission Policies

1. Students must follow the general admission policies of the University before being considered for enrollment in programs within the College of Health Sciences. Specific admission criteria are provided under each of the health sciences programs. The student is responsible for obtaining information for the application process including department deadlines.
2. Transfer work must be from an accredited institution and with a minimum grade of "C" in major and supporting courses. The applicant must be eligible to return to the last institution attended.
3. Work taken more than eight years previously must be approved by the Dean of the College.
4. In the event that a student is not accepted for a program, the student who wishes to reapply must submit a new application and related materials that will be considered when a new class is accepted.

Students desiring to complete collegiate work required for admission to professional programs may complete this work at any accredited college or university. Students are urged to carefully plan their course of study to include the disciplines and subject areas described in the individual programs.

Students who have not reached a decision on the specific health career in which they wish to enroll may obtain counseling through the office of the Dean. Students will be provided with guidance by individual program directors, and the admissions coordinator of the College of Health Sciences.

The programs in the College of Health Sciences are designed to prepare graduates for practice in health care professions. Most require licensure and/or certification after graduation and prior to practice. A criminal record (excluding minor traffic violations) may make a person ineligible for licensure or certification in these professions. Students with such a history should contact the licensing or certifying body prior to enrollment to determine whether this might be the case.

Placement in certain clinical sites, particularly those that involve practice with children, requires a background check by the Kentucky State Police to determine whether the student has a criminal history that would prevent their participation in that clinical experience.

Student Agreement Statement

All students enrolled in the College of Health Sciences are required to sign an agreement statement that encompasses professional expectations related to the program. This statement is to be signed when the student enters courses in the major.

Student Liability (Malpractice) Insurance

All students whose programs require participation in clinical learning experiences must purchase and maintain liability insurance through the University during the entire clinical experience. Proof of such insurance coverage must be furnished to the department before the clinical experience is scheduled to begin. The University has arranged for appropriate insurance coverage at a modest cost to the student. Further information may be obtained at the student's major departmental office.

Accrediting Agencies and Clinical Facilities

Accrediting Agencies

Accreditation Council for Occupational Therapy Education (ACOTE)
4720 Montgomery Lane
Bethesda, Maryland 20814
301-652-2682

American Nurses Credentialing Center
600 Maryland Avenue, S.W., Suite 100 West
Washington, DC 20024-2571
202-651-7000

Commission on Accreditation of Allied Health Education Programs:
35 East Wacker Drive, Suite 1970
Chicago, IL 60601-2208
312-553-9355

Commission on Collegiate Nursing Education
One Dupont Circle, NW, Suite 530
Washington, DC 20036-1120
202-887-6791

American Association for Health Education
1900 Association Drive
Reston, VA 22901-1599
703-476-3437

American Association of Medical Assistants
20 North Wacker Drive #1575
Chicago, IL 60606-2903
800-ACT AAMA

American Health Information Management Association
919 North Michigan Ave. Suite 1400
Chicago, IL 60611-1683
312-787-2672

Joint Review Committee on Educational Programs in Athletic Training
7108-C South Alton Way
Englewood, CO 80112
303-779-4853

National Accrediting Agency for Clinical Laboratory Science
Citicorp Plaza
8410 W. Bryn Mawr
Chicago, IL 60631
312-714-8880

National Association for Sport and Physical Education
1900 Association Drive
Reston, VA 22091-1599
800-213-7193

National Council for Accreditation

National Recreation and Park Association and American Association for Leisure and Recreation
22377 Belmont Ridge Road
Ashburn, VA 20148
703-585-0784

National Council for the Accreditation of Teacher Education
2010 Massachusetts Ave., NW, Suite 500
Washington, DC 20036-1023
202-466-7496

National Environmental Health Science and Protection Accreditation Council
720 S. Colorado Blvd/Ste. 970 S. Tower
Denver, CO 80222
303-756-9090

National League for Nursing Accrediting Commission
61 Broadway
New York, NY 10006
212-363-5555 ext 153

Society of Public Health Educators
1015 Fifteenth Street, NW, Suite 410
Washington, DC 20005
202-408-9804

Clinical Facilities

The University maintains formal contracts with many health care agencies located throughout Kentucky and the southeastern United States. Almost every specialty within the entire health care spectrum is available for use in providing high quality experiences for students enrolled in the programs. A list of cooperating agencies is available through the office of the Dean.

The University is not liable for, nor is there a fund from which payment can be made for those who are inconvenienced or incur expenses based upon canceled classes, assignments, or clinical placements, etc.

Bloodborne Pathogens and Hepatitis B Statement

The College of Health Sciences attempts to impart the principles and practice of infection control to its students who may have future occupational exposure to bloodborne pathogens. To this end, students majoring in clinical laboratory science and technology, medical assisting, nursing, and occupational therapy are required to receive education in universal precautions and the Occupational Safety and Health Administration's (OSHA) Bloodborne Pathogens Standard Regulations. Students will be responsible for obtaining the Hepatitis B vaccination before participation in the clinical training phase of their respective programs when indicated. Students who may potentially be exposed to blood and body fluids are required by most of our clinical agencies to have obtained the Hepatitis B vaccine. If this requirement is placed upon the student, it will be strictly enforced. Please see your Student Handbook for further clarification.

Degree and Certificate Requirements

The students are responsible for selection and registration for courses needed for reasonable progress toward their degree or certificate that will enable the students to satisfy requirements for graduation. Students may re-enroll in the same course for a subsequent time only under unusual circumstances and with the written permission of the Dean of the College of Health Sciences. Students who interrupt their program sequence must obtain approval of the Admissions Committee of the department prior to reentry.

Certificates

Students completing the requirements of medical administrative certificate will be awarded a certificate of completion by Eastern Kentucky University. This should not be confused with the state certification or licensure.

The Department of Health Information offers a coding certificate of completion and a post-baccalaureate certificate of completion in health information management.

Degree Requirements

General University requirements described in Part Three of this Catalog, and specific course requirements set forth in the description of curricula, must be met by students completing associate and baccalaureate programs administered by the College of Health Sciences. See programs under each department for major and minor requirements. All first-year students in the College of Health Sciences must enroll in the Academic Orientation course (ANO 100).

Besides the general University requirements, specific degree requirements for the College of Health Sciences are as follows.

Baccalaureate Degree

1. A minimum grade point average of 2.0 in each CLS, EHS, HNF, NSC, OTS, REC course and selected AHN courses is required.
2. Hours earned through challenge exams do not count toward the 30 required residence hours.

3. HEA 281 is not required in the general education requirements for nursing students.
4. Eight hours restricted electives are not required for health information management students.
5. Students pursuing a baccalaureate degree in any health sciences major shall be allowed to declare a minor or a second major outside the College of Health Sciences. Any student who chooses to pursue a minor or second major must have as their primary advisor a faculty member from the College of Health Sciences. A minor or a second major will only be feasible for those students extending their baccalaureate education beyond the traditional four years.

Associate Degree

1. A minimum grade point average of 2.0 in each CLT, HNF, MAS, NUR course and selected AHN courses is required.
2. Hours earned through challenge exams do not count toward the 15 required residence hours.
3. A minimum of 16 hours in courses approved for general education is required for all associate degree programs. These hours include ENG 101 and 102, or their equivalent. The ten additional hours must include approved courses in categories 05-08 (humanities), categories 09-12 (social science), and categories 13-16 (sciences) or an approved MAT course from category 03. Courses that meet general education requirements have been identified by an asterisk(*). In addition, an orientation course (ANO 100) is required for all associate degree programs. Four hours of restricted electives are required for emergency medical care majors.

Admission Requirements for Departments

Department of Clinical Laboratory Science

Clinical Laboratory Science (CLS) Program

All students who are accepted by the EKU Admissions Office and declare their major as clinical laboratory science (CLS) are accepted into the pre-CLS major. Admission to the upper-division (professional) and cytotechnology programs require an overall grade point average (GPA) of 2.5 with a grade of "C" or better in each of the required supporting and major courses. Transfer students must maintain a GPA of 2.5 in courses at EKU as well as an overall GPA of 2.5.

Students who meet the minimum requirements will be accepted into the program within the enrollment limits determined by the number of practicum openings. The department reserves the right to accept only the best qualified applicants who meet the minimum requirements.

Clinical Laboratory Technology (CLT) Program

For admission to the CLT program, a high school graduate must meet a minimum of two out of three of the following:

1. ACT minimum standard score of 17
2. Minimum high school grade point average (GPA) of "B"
3. Projected rank of upper third of high school graduating class.

Students who meet the minimum requirements will be accepted into the program within the enrollment limits determined by the number of practicum openings. The department reserves the right to accept only the best qualified applicants who meet the minimum requirements. While awaiting acceptance, students will be assigned to the pre-CLT major.

Change of major and transfer students must have attained a minimum of 2.25 overall GPA on a minimum of 12 hours attempted. Any transfer student not having the minimum GPA will be assigned to the pre-CLT major until the minimum requirement is attained.

Progression Policy

The Department of Clinical Laboratory Science limits the number of major courses which may be repeated. Students are allowed only one repeat per major course and a total of not more than two repeats in all major courses combined. In addition, a supporting course may usually be repeated only once.

To remain in the upper division CLS program, a student must maintain an overall GPA of 2.5 and with a grade "C" or better in each of the supporting and major courses of the curriculum.

A GPA of 2.25 is required to remain in the CLT program. In addition, students must earn a grade of "C" or better in each of the major and supporting courses of the CLT curriculum. Students not meeting the minimum requirements will be assigned pre-CLT major status and have the opportunity to enroll in general education and supporting courses in order to establish an acceptable GPA.

Department of Environmental Health Science

Progression Criteria

A student majoring or minoring in environmental health science must achieve a grade of "C" or better in all EHS and supporting courses. A major course may be repeated only once.

Department of Health Education

The Department of Health Education offers the Bachelor of Science degree in Health Education with three program options: Community Health, School Health P-12 (Teaching), and Wellness. The department also offers a Minor in Community Health Education (non-teaching) and a Minor in School Health, P-12 (teaching).

Students who transfer from another college or university must earn a minimum of 12 hours at Eastern in their major. Students who transfer from another college or university must earn a minimum of six hours at Eastern in their minor.

Department of Health Information

Admission/Progression Criteria

The Department of Health Information utilizes the regular admission policy of the University for students taking courses offered during the first semester of the program. In order to continue in the program and to enroll in HNF courses, the student must meet the following criteria: (1) maintain an overall GPA of 2.5 on a 4.0 scale and (2) complete all major and

supporting courses with a grade of "C" or better after a maximum of two attempts.

Credits of students who transfer from another accredited educational institution will be evaluated against the current curriculum. Equivalent courses taken within another accredited medical record/health information program may be accepted if a grade of "C" or better was earned. Courses taken within a nonaccredited program must be validated by a challenge examination before credit is awarded. An Accredited Record Technician (ART) may receive college credit for all AHN and HNF courses in the health information technology curriculum by passing the challenge exam for each of these courses. A maximum of four semester hours of credit may be earned by challenging HNF courses in the health information management curriculum. A student who is not an ART may earn credit for all AHN courses and two HNF courses in the health information technology curriculum by passing the challenge exam for these courses.

A student who is not allowed to continue in the program may appeal the decision by presenting the reasons in writing to the Chair of the Admissions and Progression Committee. The student may appeal this committee's decision to the College Admissions Committee by submitting a written request to the Dean of the College of Health Sciences. The decision of this committee shall be final.

Directed Practice and Management Practicum

During the technical phase of the curriculum, the student is required to spend approximately six weeks at a hospital or other health care facility for supervised practice in the technical aspects of medical record/health information practice. During the professional phase of the curriculum, the student is assigned for approximately eight weeks to two health care facilities for observation and practice of the management aspects of medical record/health information practice.

The University assumes full responsibility for making assignments to directed practice sites based on pre-determined criteria. Some directed practice sites may require health screening such as physical examinations and/or proof of immunizations. The student is responsible for these medical expenses and for living expenses and travel involved in relocation for these assignments.

Department of Medical Services Technology
Medical Assisting Technology Program

The Medical Assisting Technology Program considers students for admission in both the fall and spring semesters. Admission is contingent upon enrollment in Eastern Kentucky University and the College of Health Sciences.

Admission Requirements and Procedures

Application Process:

1. Applicants must be admitted to the University through the Admissions Office, Jones 203, 622-2106.
2. Applicants must complete an application and health history form for the College of Health Sciences through the college admissions coordinator, Rowlett 241, 622-1137.
3. Applicants must apply to the Medical Assisting Program during enrollment or after completion of MAS 100. Completed applications must be submitted to the Program Director of the Medical Assisting Technology Program by March 1 for fall program admission, and by October 1 for spring program admission.
4. Prior to acceptance into the Medical Assisting Technology Program, declared students shall be considered as Pre-Medical Assisting students. Following acceptance into the Medical Assisting Technology Program, students shall be considered either Degree-Medical Assisting students (Associate Degree), or Administrative Certificate-Medical Assisting students (Certificate).
5. Declared students admitted to the Health Careers Opportunity Program (HCOP) shall be fully admissible as Degree-Medical Assisting students upon acceptance into the University and the College of Health Sciences. HCOP Degree-Medical Assisting students must meet all admission criteria.

Admission Criteria:

1. Acceptance to the Medical Assisting Technology Program is limited and will be determined by overall GPA rank.
2. According to University policy, proficiency in English, math, and reading, and completion of the pre-college curriculum is required.
3. The following courses are required for admission into the program: Human Anatomy/with lab (3 credit hours), English I (3 credit hours), and English II (3 credit hours). The student must have completed these courses with a grade of "C" or better prior to enrollment in any MAS course above MAS 100.
4. Cumulative and EKU undergraduate GPA of 2.0 based on 4.0.

Department of Associate Degree Nursing (R.N.)

The Department of Associate Degree Nursing, established in 1965, is approved by the Kentucky Board of Nursing and accredited by the National League for Nursing Accrediting Commission. The nursing program leading to an associate degree is four semesters in length. Nursing is the creative application of principles drawn from the biological, physical, psychological, and social sciences used to promote wellness, prevent illness, restore health, and facilitate coping. General education in the biological, behavioral, and social sciences and liberal arts provides the foundation for the associate degree in nursing. The nursing component of the curriculum is composed of nursing theory with the application of that theory in a clinical setting. Central to the development of a nurse-client relationship is the commitment to caring by the nurse.

The Associate Degree registered nurse functions as a provider of care, a manager of care, and a member within the discipline of nursing. These roles require one to have an ability to think in a logical manner, develop clinical competence, and show a commitment to caring.

The Associate Degree Nursing curriculum emphasizes basic needs of humans throughout the life cycle and the adaptation of humans to changes in their environment. The curriculum requires a student to be an independent learner, highly motivated, and intellectually mature.

The program prepares the graduate to function as a generalist registered nurse (R.N.) to practice in a variety of

positions in a variety of clinical settings. Graduates of the program earn an associate of science in nursing (ASN) degree and are eligible to apply for the national licensure examination. Graduates of the program who pass the national licensure examination are then licensed as registered nurses.

Admission Requirements and Procedures

All students who are admitted to Eastern Kentucky University and declare their major as associate degree nursing are admitted as pre-associate degree nursing majors. However, admission to the University does not guarantee admission to the Associate Degree Nursing Program.

Students are eligible to be considered for admission to the Associate Degree Nursing Program only after having been admitted to the University. Applications for the Associate Degree Nursing program are available through the Office of the Dean, College of Health Sciences.

Applicants are eligible to be considered for admission who have:

1. Met University requirements for proficiency in English, reading, and mathematics.
2. Met the Pre-College Curriculum requirements.
3. A minimum EKU and cumulative GPA of 2.0; if no college level work has been attempted, then a minimum 2.0 GPA from high school.

Applications are considered for the fall semester (received by March 1), or until the class is filled, and for the spring semester (received by October 1), or until the class is filled. Applications received after the deadline will be processed on a space availability basis. The Department Admissions Committee will evaluate each applicant's academic history and select those applicants who are the most academically qualified. Should there be more qualified applicants than spaces available, admission becomes competitive. Admission to the program is limited and completion of eligibility criteria does not ensure admission into the program.

Students Transferring from Another Nursing Program

Transfer students must meet the following criteria in addition to admission criteria of Eastern Kentucky University and the Department of Associate Degree Nursing:

1. The nursing credits transferred must be comparable to Department nursing credits for a maximum of 14 semester hours credit.
2. A complete course outline must be submitted for each nursing course.
3. The student must have a passing grade in any nursing course transferred from that nursing program.
4. The student must have transferred from a regionally or NLN accredited institution.

Each transfer student will be considered on an individual basis by the Department Chair and the Department Admissions Committee.

Plan for the Licensed Practical Nurse

The Department of Associate Degree Nursing offers the opportunity to the Licensed Practical Nurse to complete the course of study leading to the Associate of Science in Nursing degree. The LPN is required to take NUR 205, NUR 235, NUR 245, and NUR 255 and all non-nursing courses in the curriculum. The LPN is granted credit for NUR 115, NUR 116, NUR 117, 120, 121, 122, and NUR 123 after successful completion of NUR 205. Licensed practical nurse applicants are eligible to be considered for admission who have:

1. Met University requirements for proficiency in English, reading and mathematics.
2. Met the Pre-College Curriculum requirements.
3. A minimum EKU and cumulative GPA of 2.0; if no college level work has been attempted, then a minimum 2.0 GPA from high school.

In addition to the criteria for admission, the applicant who is a licensed practical nurse (LPN) must:

1. Submit evidence of licensure from a jurisdiction recognized by the National Council of State Boards of Nursing.
2. Have graduated from an LPN program within the past five (5) years.
3. Have practiced as an LPN within the past two (2) years.

Curriculum requirements may change. Students are advised to keep themselves informed through their academic advisor and department chair.

Progression in the Program

In order for students to follow the established progression of the program sequence, they must:

1. meet all prerequisites.
2. maintain a cumulative and EKU GPA of 2.0 on a 4.0 scale.
3. complete all major and prerequisite courses with a "C" or better.

Clinical Requirements

Transportation to all clinical experiences is the responsibility of the student.

Before a student can progress to a clinical experience the following requirements must be met:

1. Proof of professional liability insurance purchased through the University.
2. Proof of CPR certification (annually).
3. Proof of MMR immunity.
4. Proof of Hepatitis B immunity.
5. Proof of TB skin test (annually).

Readmission Policies and Procedures

A student who fails to progress must make application for readmission to the program and be processed through the Admissions/Progression Committee. READMISSION TO A NURSING COURSE IS NOT GUARANTEED TO ANY STUDENT. This committee represents the Department of Associate Degree Nursing which has the authority in readmission decisions for the department. The student is advised to refer to their copy of the Department Student Handbook for specific procedures concerning readmission.

Appeals

Students may appeal decisions related to progression and readmission to the Department Admissions Committee. Appeal procedures are outlined in the Department Student Handbook.

Educational Outcomes

Upon completion of the program, the graduate will be able to:

1. Utilize the nursing process as a basis for providing health care for clients.
2. Manage health care for a client or group of clients within ethical and legal parameters of practice.
3. Exhibit a commitment to self-growth and to the improvement of health care.

Department of Baccalaureate and Graduate Nursing

The nursing program leads to a baccalaureate degree. General education in the sciences and liberal arts provides the basis for and is correlated with the major in nursing. The collegiate program is devoted to a combination of physical, biological and social sciences, and humanities as deemed essential to the preparation of the professional nurse. The nursing component is composed of instruction in nursing theory and the application of nursing theory in the clinical setting under the guidance of nursing faculty. Thus, nursing is learned through a combination of formal classroom instruction and supervised experiences in hospitals, clinical agencies, and a variety of community settings. The nursing program prepares the individual to function as a generalist and lays the foundation for graduate study in clinical specialties, research, teaching, supervision, and/or administration. Graduates of the program earn a baccalaureate degree in nursing (BSN) and are eligible to write the national licensure examination (NCLEX). Graduates of the program who successfully write the NCLEX examination are licensed to practice as registered nurses.

The baccalaureate nursing program is based upon the belief that preparation for professional nursing encompasses a broad, liberal, general, and professional education. Within the framework of Eastern Kentucky University and the College of Health Sciences, the Department of Baccalaureate and Graduate Nursing attempts to provide opportunities for the individual to act independently, to think creatively, to communicate effectively, and to serve with enlightenment and imagination.

The Department of Baccalaureate and Graduate Nursing aims to: 1) provide the individual with a broad-based education; 2) prepare professional nurses capable of functioning effectively in varied settings; 3) prepare professional nurses capable of functioning effectively in future emerging roles; 4) instill within the individual a sense of responsibility for continued personal and professional growth; 5) prepare leaders within the profession and society; and 6) provide graduate study in nursing for advanced practice nurses.

The baccalaureate nursing program is approved by the Kentucky Board of Nursing and accredited by the National League for Nursing Accrediting Commission, and also approved by the Commission for Collegiate Nursing Education.

Program Objectives

Upon completion of the baccalaureate nursing program the BSN graduate:

1. Treats clients as unique and self-directive with the right to make decisions for themselves concerning health matters.
2. Uses the nursing process to provide and manage primary, secondary and tertiary prevention care for clients in a variety of settings.
3. Uses critical thinking and research methodologies to understand relationships, provide therapeutic interventions, predict outcomes, and influence the delivery of health care.
4. Has the knowledge and ability to assume a leadership role in health care by communicating and collaborating with clients and other health care professionals.
5. Is a consumer and sociopolitical advocate who supports effective, responsible, economic interdisciplinary health care.
6. Promotes the ethical and legal practice of professional nursing.
7. Demonstrates accountability and competence in nursing practice.

Admission and Progression Requirements

All students who are accepted by Eastern Kentucky University's Admissions Office and declare their major as baccalaureate nursing (four-year nursing) are admitted to the University as pre-baccalaureate nursing majors. However, admission to the freshman year does not guarantee admission to the laboratory nursing courses. Students seeking to enter NSC 232 must meet minimum program GPA requirements of 2.5 or have department chair approval. To be admitted to the clinical nursing courses, students must have completed the first three semesters of college work as outlined in the curriculum plan. All prerequisite courses must be completed with a grade of "C" or better, and a minimum cumulative GPA of 2.5 on a 4.0 scale must be obtained. Admission to the clinical courses is competitive and based primarily on GPA.

In addition to the academic criteria required for admission, the student must meet the standards written into the Commonwealth of Kentucky Nurse Practice Act. Specifically, the Nurse Practice Act requires that each student be of good moral and ethical character, good mental and physical health, and be academically qualified to fulfill the role and responsibilities of a person licensed to practice as a professional nurse.

For progression, students must earn a grade of "C" or better in all nursing and supporting courses. The program reserves the right to alter the suggested plan as necessary to enhance a quality educational program. Students interested in entering graduate study may apply to the graduate school. Master's degree options available are the Rural Health Family Nurse Practitioner and the Rural Community Health Care Nursing option which has a functional area in administration.

Transfers from Other Colleges and Universities

Transfer students must submit copies of all transcripts along with their application to the program. These transcripts

will be considered a part of the application process and are necessary to determine admission and placement.

Students wishing to transfer nursing courses from another accredited institution must have a grade of a "C" or better in any nursing course to be transferred. In addition, the applicant must submit complete course outlines and/or syllabi. This material should be submitted well in advance of expected matriculation in order to provide time for necessary evaluation.

Plan for Registered Nurses (RN-BSN-MSN)

The Department of Baccalaureate and Graduate Nursing offers the opportunity for registered nurses to complete the course of study leading to the Bachelor of Science and the Master of Science in nursing degree. A maximum of 32 hours of nursing credit, as well as support and general education hours, may be transferred. Both full and part time options are available. Before entering the nursing sequence the RN student must have completed the Associate Degree, be licensed in the Commonwealth of Kentucky and have completed the following: 14 credit hours in the Natural Sciences including content in anatomy, physiology, microbiology, and chemistry; 9 credit hours in Social Sciences including Sociology 131, psychology and family studies, and 3 credit hours in nutrition. Upon successful completion of NSC 385, the RN is granted credit for NSC 380, NSC 386, and NSC 484. Students interested in graduate studies must complete the B.S.N. and be accepted by the Graduate School. Academic credits earned at other accredited colleges or universities are transferable upon approval of the appropriate department at Eastern Kentucky University. Official transcripts are to be submitted by the student to the Office of the Registrar. Credits more than eight years old must be approved.

Specific Degree Requirements for Bachelor of Science in Nursing Degree

In addition to the general requirements for the baccalaureate degree, students must earn a grade of "C" (2.0) or better in all nursing and supporting courses.

Department of Occupational Therapy

Occupational Therapy is the use of goal directed activity with individuals who are limited by physical injury or illness, psychosocial dysfunction, developmental or learning disabilities, poverty and cultural differences or the aging process in order to maximize independence, prevent disability, and maintain health. The practice encompasses evaluation, treatment, and consultation. Specific occupational therapy services include: teaching daily living skills; developing perceptual-motor skills and sensory integrative functioning; developing play skills and pre-vocational and leisure capacities; designing, fabricating, or applying selected orthotic and prosthetic devices or selective adaptive equipment; using specifically designed crafts and exercises to enhance functional performance; administering and interpreting tests such as manual muscle strength and range of motion; and adapting the environment for the disabled. These services are provided individually, in groups, or through social systems.

Occupational therapy services are provided in a variety of settings, and afford numerous employment opportunities. These include health departments, rehabilitation centers, community hospitals, community centers, school systems, developmental centers, individual practice, home health programs, and settings serving clients with special problems. For more information regarding the profession, contact the American Occupational Therapy Association (AOTA), 4720 Montgomery Lane, Bethesda, Maryland, 20814.

The Department of Occupational Therapy offers baccalaureate and Master's degrees. Students with a baccalaureate degree in a related field may enter the baccalaureate program or the post-baccalaureate certificate program en route to the Master's degree.

The professional phase of the baccalaureate curriculum is designed to include five semesters of academic course work plus six months of internship. Certified Occupational Therapy Assistants may complete the program in less than the standard time frame. See Department admissions publications for details. Students should inquire about the Master's degree (and post-baccalaureate entry route if applicable) at the Department Graduate Coordinator's office.

All students in the program must complete three Level I fieldwork (practicum) experiences at three different off-campus sites during the junior and senior years. Students must also complete two Level II fieldwork experiences (three month internships) after all didactic course work is completed. Students in Level II internships are placed in facilities across the United States, primarily in the Southeastern region, where occupational therapy is practiced. Students are not guaranteed a Level II placement within the Bluegrass region nor in any other specific location. The availability of contracted clinical education sites for Level II experience changes as the result of changing factors at the site. Students must be prepared to be flexible in planning for this phase of the program. All Level II fieldwork must be completed within twenty-four (24) months following completion of academic course work.

Transportation to all fieldwork sites and acquisition of housing, transportation, and health insurance for Level II experiences are the responsibility of the student. Proof of CPR certification and liability insurance are required for all fieldwork experiences. Many clinical facilities have specific requirements that the student must meet before starting Level I and/or Level II fieldwork (e.g., immunizations, physical exams, and tests).

Following successful completion of the program, the graduate is eligible to sit for the national certification examination given by the National Board for Certification in Occupational Therapy (NBCOT), and apply for state licensure in those states requiring licensure. NBCOT is located at 800 S. Frederick Avenue, Suite 200, Gaithersburg, MD, 20877.

Curriculum Requirements, including admissions requirements, may change. Students seeking admission or admitted to the program are advised to keep themselves adequately informed of changes in order to complete requirements in a timely manner. Information on curricular changes will be announced in advance by the Department, and will be published in Department publications. These may be obtained from the Department office.

Admission Requirements and Procedures

In order to apply to the professional occupational therapy program, all students must have been officially admitted by the Admissions Office, Eastern Kentucky University by the Occupational Therapy Program deadline date. Refer to the section on General Academic Information for general

admission requirements for the University and the General Admission Policies for the College of Allied Health and Nursing.

Students who declare their major as occupational therapy are admitted to the University as pre-occupational therapy students. However, admission to pre-occupational therapy does not guarantee admission to the professional program. Transfer students do not have to be enrolled in courses at the university at the time of application to the professional occupational therapy program.

Students with **32 semester credit hours (at 100 level equivalent or higher)** shall be considered for admission to the occupational therapy program. Students are admitted in both the fall and spring semesters.

Criteria for Admission to the Professional Occupational Therapy Program

Candidates shall be selected from among applicants who have met the criteria listed below, and who have additional relevant background as described further below.

1. Students must have earned a minimum of 32 semester hours (100 level or higher) of college credit before application.
2. Students must have minimum GPA of 3.0 on a 4.0 scale.
3. Students must have a grade of "C" or better in all prerequisite courses at time of application.
4. Any development course requirements must have been completed at the time of application. Transfer students should check with the Office of Academic Support and Undergraduate Studies to find what additional developmental courses may be required by the University. ACT scores may exempt a transfer student from developmental course work; students should have ACT scores at the time of application. Any university developmental course requirements determined after admission must have been completed prior to enrollment in the program.
5. The following prerequisite courses must be completed before applying to the program: A minimum of three semester hours or its equivalent in human anatomy with a lab (BIO 171), in human physiology (BIO 301), in general psychology (PSY 202), and six semester hours of freshman English composition (ENG 101, 102, or 105).
6. Students must demonstrate an understanding of occupational therapy through at least one of the following:
   a. Completion of OTS 111 or an equivalent course, OR
   b. Completion of 20 hours of volunteer experience with a registered occupational therapist. At the time of application, the applicant must submit: a written statement by an OTR verifying the volunteer experience. OR
   c. Employment in an occupational therapy setting documented by an OTR. At the time of application, written verification by an OTR must be attached to the application.

THE NUMBER OF ADMISSIONS ANNUALLY IS LIMITED AND COMPLETION OF CRITERIA FOR ADMISSION DOES NOT ENSURE ACCEPTANCE INTO THE PROGRAM. CANDIDATES WILL BE SELECTED FROM THOSE MEETING THE CRITERIA FOR ADMISSION TO THE PROFESSIONAL OCCUPATIONAL THERAPY PROGRAM THROUGH REVIEW OF:

- Academic Performance History (primarily GPA)
- Health-related volunteer or paid work experience including COTA experience and/or credential.
- Evidence of important work behaviors.*
- Residency status. (Kentucky residents, as defined by the Eastern Kentucky University Undergraduate Catalog, will be given some preference. However, this factor will not preclude out-of-state.)

*Students should provide reference forms completed by two (2) different supervisors from their volunteer or paid work experiences. These references must be completed on the provided reference forms, which include specific questions and ratings of important work behaviors. References should be mailed directly from the supervisor to the Admissions Coordinator, College of Health Sciences.

In the event a student is not accepted into the Occupational Therapy Program, the student may reapply for the next or subsequent semester by submitting a new application. **Application criteria may change, so applicants should make sure they have current application materials.**

Admission to the Program is very competitive, and evaluation of applicants is objective. Inquiries about admissions decisions should be directed to the Department Office during the announced times following each admission cycle.

Admission Procedures

1. Students must obtain application forms for the occupational therapy program from the Admissions Coordinator, College of Health Sciences. Admissions materials included with the application forms will provide additional details and instructions for the applicant.
2. Students applying for admission to the occupational therapy program must submit their applications and all supporting documents to the Admissions Office, College of Health Sciences. Students desiring consideration for spring admissions must submit all documents by September 15. Students desiring consideration for fall admission must submit all documents by March 1.
3. Written notification of admission status will be mailed on or before November 1 for spring admission and April 1 for fall admission.
4. The student who wishes to accept the offer of admission to the occupational therapy program must notify the Department of Occupational Therapy of acceptance, in writing, by November 15 for spring admission and April 15 for fall admission. If mailed, the acceptance must be postmarked no later than November 15 for spring admission and April 15 for fall admission.
5. Students are officially admitted to the occupational therapy program at the time of enrollment in the professional program.
6. Transfer students must submit official copies of all transcripts to the Eastern Kentucky University Registrar. Transcripts must be received by the Registrar by the application deadline date. These materials will be considered a part of the application and are necessary to determine admission and placement. A photocopied Catalog description of all transferred prerequisite

courses outside the EKU-UKCC System must be submitted along with the application form.

7. Transfer students should contact the Office of Academic Support and Undergraduate Studies for further information about ACT scores and developmental course placement, and make arrangements to take this test if they wish to do so. See item #4 under Criteria for Admission.

Progression and Retention in the program:
In order for students to follow the established progression of the program sequence, they must:

- Meet all prerequisites with a grade of "C" or better before enrolling in any occupational therapy course.
- Maintain an overall GPA of 2.0.
- Complete all major and supporting courses with a grade of "C" or better. Students will be limited to a maximum of three program courses repeated.

Clinical sites for fieldwork placement are in great demand locally and nationally, and certain regulations unique to the Occupational Therapy Department are in place in order to make sure that students continuing in the program as planned will have clinical sites available at the planned time. When a students gets off-track for any reason, this effects the clinical placements for the next class. If several students are in that situation, then the clinical implications become highly problematic. Therefore, the following regulations will apply:

1. Students who fail to progress in the program as planned for any reason (e.g., failure or withdrawal from required course) will be admitted to further occupational therapy courses on a space-available basis only.
2. Enrollment in required Level I and Level II fieldwork courses (OTS 341, 462, 473; and OTS 481, 482 respectively) is subject to **special restrictions.** Refer to the Occupational Therapy Student Handbook for details regarding fieldwork regulations.
3. Students may not enroll as part-time students in the professional phase of the program. "Part-time" refers to the planned course sequence in this context, not the credit hour total. Students, who in the course of their studies find it necessary to drop to part-time status, must petition the Department Chair to do so without losing their privileges for scheduling and clinical placement.
4. Students may be granted a (one) leave of absence from the Occupational Therapy Program for a maximum of one year. Students granted a leave of absence from the Program must follow the readmission procedures of the University and the College to re-enter the program. They do not need to reapply to the Program. Details are described in the Occupational Therapy Student Handbook, and on the Leave of Absence forms. These forms may be obtained from the Department of Occupational Therapy office.

Dismissal from the University will automatically be considered dismissal from the occupational therapy program.

Readmission to the Occupational Therapy Program

Students not retained in the program either voluntarily or by not meeting the above criteria may appeal the decision and/or petition for readmission, in writing, to the Admission and Retention Committee.

Appeals

Students may petition for a waiver of any regulation or appeal any action resulting from application of the above regulations. Appeals regarding waiver of a regulation should be addressed to the Admissions and Retention Committee. Appeal of grade should be addressed to the Academic Practices Committee. See the Occupational Therapy Student Handbook for details of appeal procedures.

Other

The Board of Regents of Eastern Kentucky University does hereby reaffirm that neither race, nor creed, nor color, nor sex, nor handicap shall be a criterion of admission to any part of any program or actively conducted by Eastern Kentucky University.

Department of Physical Education

The Department of Physical Education offers the Bachelor of Science degree in Physical Education with six program options: Adult Physical Fitness, Athletic Training, General (non-teaching), Teaching P-12, Sports Supervision, and Wellness. The department also offers a Minor in Dance (non-teaching), a Minor in Physical Education (non-teaching), and a Coaching Endorsement (non-teaching).

Students who transfer from another college or university must earn a minimum of 12 hours at Eastern in their major. Students who transfer from another college or university must earn a minimum of six hours at Eastern in their minor.

Department of Recreation and Park Administration

The Department of Recreation and Park Administration offers the Bachelor of Science degree in Recreation and Park Administration with three options: Leisure/Recreation Program Delivery, Outdoor Recreation/Environmental Education, and Therapeutic Recreation. The department also offers a Minor in Recreation and Park Administration.

Students who transfer from another college or university must earn a minimum of 12 hours at Eastern in their major. Students who transfer from another college or university must earn a minimum of six hours at Eastern in their minor.

The Bachelor of Science degree requires a minimum grade of "C" in all REC courses specified for the major and curriculum option. All REC core and REC option courses must be completed prior to enrollment in REC 463, Practicum.

Division of Continuing Education

The Division of Continuing Education in the College of Health Sciences serves health professionals whose service-action careers demand educational activities to be ongoing and open ended. Programs for these professionals are tailored to meet expressed job-related needs. Studies are conducted continually so that a wide variety of programs

can be offered each year. The offering objectives are to increase the professional's depth in a specialized area of subject matter and to develop an understanding of ways to apply this knowledge to serve more effectively health related needs.

Offerings are designed for single disciplines, for interdisciplinary participation, and on occasion include the public. Programs are held both on and off-campus and include workshops, seminars, conferences, and short term noncredit courses. Program faculty are from university academic departments and specialists in health or health related fields from the off-campus population.

Continuing education units are awarded for successful completion of program offerings. For further information, contact the Division of Continuing Education, College of Health Sciences, Eastern Kentucky University, 521 Lancaster Avenue, Richmond, Kentucky 40475-3102, (606) 622-2143.

Health Professions Learning Resource Center

The Health Professions Learning Resource Center is an audiovisual library and computer center for the College of Health Sciences. It provides support to the instructional needs of the faculty through audiovisual materials, equipment, and other services. The primary purpose of the Center is to provide the student the opportunity to reinforce previous learning of clinical/classroom content through independent review of audiovisual materials and CAI (Computer Assisted Instruction) programs. Students also have access to other resources such as anatomical models, interactive video resources, professional articles, e-mail, the internet, literature searches, and word processing. The Learning Resource Center is located in the Rowlett Building, Room 310.

Pre-Professional Programs

Students interested in a baccalaureate degree allied health program, such as physical therapy, physican assistant, and dental hygiene, may take two years of pre-professional courses before transferring to another institution at the professional curriculum level. It is strongly recommended that out-of-state students communicate with colleges in their own state regarding curriculum requirements. At the time of advisement, students who are interested in a specific allied health program such as physical therapy, physical assistant, or dental hygiene should provide a copy of the curriculum outline for the program to which they plan to transfer. Students interested in these transfer programs should consult with an advisor for assistance in developing a specific curriculum. The 72 hours of course work listed below will meet the requirements for freshmen and sophomores at most institutions.

Two semesters of English composition	**6**	**hours**
Two semesters of psychology	**6**	**hours**
Two semesters of general chemistry with lab	**9**	**hours**
Two semesters of physics with lab (physical therapy)	**10**	**hours**
Sociology	**3**	**hours**
Two semesters of general zoology or biology with lab	**8**	**hours**
General Education courses (includes six hours of history, six hours of humanities, six hours of math)	**18**	**hours**
Two semesters of foreign language (or two years in high school)	**6**	**hours**
Electives	**6**	**hours**
Total pre-professional courses	**72**	**hours**

Certificate Programs

Certified Alcohol and Drug Counselor (CADC)
Department of Health Education

To become a Certified Alcohol and Drug Counselor (CADC), applicants must meet certain requirements for supervised experience in chemical dependency counseling, education, training, and supervised practicum experiences. Also, applicants must pass a written exam, an oral interview, and a case presentation and fulfill designated application procedures. Students can attain training and clinical supervision/practicum/on-the-job training by completing the following courses:

HEA 595	Alcohol and Alcoholism (3)
HEA 594	Chemical Abuse and Dependency (3)
HEA 596	Approaches to Chemical Dependency Treatment I (3)
HEA 597	Approaches to Chemical Dependency Treatment II (3)
HEA 463	Field Experiences in Community Health (1-6)

See the Chair of the Department of Health Education for more complete information on the application and requirements for the Certified Alcohol and Drug Counselor.

Coding Certificate
Department of Health Information

Major Requirements ..... **15 hours**
AHN 200, HNF 201, 203, 306, and 314.
Supporting Course Requirements ..... **6 hours**
BIO 171 and 301.
Total Curriculum Requirements ..... **21 hours**

Medical Administrative Certificate Program
Department of Medical Services Technology

Major Requirements ..... **11 hours**
MAS 100, 250, 260.
Supporting Requirements ..... **9 hours**
AHN 200, 201; ACS 250.
Transcription Option ..... **4 hours**
MAS 350.
Total Curriculum Requirements ..... **20-24 hours**

Medical Transcription Certificate Program
Department of Medical Services Technology

Major Requirements ..... **4 hours**
MAS 350.
Prerequisite: word processing skills required.

Supporting Requirements ..... **6 hours**
AHN 200, 201.
Total Curriculum Requirements ..... **10 hours**

Post-Baccalaureate Certificate
Department of Health Information
CIP Code: 51.0706

Students who have earned a baccalaureate degree which includes the following courses may be eligible for enrollment for a post-baccalaureate certificate of completion: anatomy and physiology with lab, medical terminology, basic management, basic statistics, and an introductory computer course.

Major Requirements ..... **51 hours**
AHN 100, HNF 201, 203, 305, 306, 314, 316, 370, 401, 404, 405, 406, 407, 409, 410, 412, and 414.
Total Curriculum Requirements ..... **51 hours**

Endorsement

Coaching Endorsement
Department of Physical Education

Any student may complete the requirements for a coaching endorsement by possessing current CPR certification at time of graduation and by completing 12 hours of: PHE 312; 315 or 325; 383, 523, and two hours coaching electives.

Minors

Minor in Community Health Education (Non-Teaching)
Department of Health Education

Minor Requirements ..... **24 hours**
HEA 290, 315, 360, 416, 450, 455, 598, and three hours from HEA 202, 203; 345 or 594; 380; 375 or 592; or NFA 201.

Minor in Dance (Non-Teaching)
Department of Physical Education

Minor Requirements ..... **18 hours**
PHE 200, 250, 300, 345, 450, and eight hours physical education dance electives approved by department chair.

Minor in Environmental Health Science
Department of Environmental Health Science

A student may minor in environmental health science by completing, with a grade of "C" or better, EHS 280, 300, 370, and an additional nine hours selected from EHS courses with advisor approval for a minimum of 19 hours.

Interdisciplinary Minor in Gerontology
College of Allied Health and Nursing

Gerontology is the scientific study of the aging process. It includes: a) the study of physical, mental, and social changes in older people as they age; b) the investigation of the changes in society resulting from the aging population; and c) the application of this knowledge to policies and programs. Population projections indicate that the over 65 population will rise to 35 million by the year 2000 and almost 70 million, or one-fifth of the total United States population, by the year 2030. Students in virtually every academic discipline will need specialized information and training in gerontology in order to deal successfully with the needs of an aging society.

A student may complete an interdisciplinary Gerontology minor by taking 27 hours (including prerequisites) as indicated below. Required courses include the following 12 hours: AHN 250; ANT/SOC 415*; BIO 310*; and PSY 316*. An additional six hours of electives shall be selected from the courses listed below.

AHN 570**; HEA 593; NFA 509; REC 411; and SWK 457.

*Indicates the course has a prerequisite.

Minor in Health Information
College of Allied Health and Nursing

Designed for the non Health Information Management major who wishes to have the unique opportunity to be involved with multifaceted health information management challenges. A student may minor in Health Information by completing, with a grade of "C" or better, HNF 370, 401, 406, and an additional nine hours selected from AHN and HNF courses with departmental approval for a minimum of 18 hours.

Minor in Physical Education (Non-Teaching)
Department of Physical Education

Minor Requirements ..... **18 hours**
Six hours from PHE 125, 312, 315, 320, 325, 326, 467, 575; and six hours skill courses from the following: PHE 220, 224, 241, 242, 250, 300, 305, 306, 307, 340, 345, 365, 435, 450; six hours approved by the department chair.

Minor in Recreation and Park Administration (Non-Teaching)
Department of Recreation and Park Administration

Minor Requirements ..... **19 hours**
REC 101, 102, 300, 460, and nine additional hours from REC 309, 310, 311, 325, 350, 409, 411, 511, 516, or 530.

Minor in School Health, P-12 (Teaching)
Department of Health Education

Minor Requirements ..... **23 hours**
HEA 202, 290, 315; 345 or 594; 375 or 592; NFA 201, EME 586, and three hours from HEA 203, 380, 390, 391, 455, 590, 593, or 595.

Associate Degrees

CLINICAL LABORATORY TECHNOLOGY (A.S.)
Department of Clinical Laboratory Science
CIP Code: 51.1004

Major Requirements ..... 30 hours
CLT 201, 202, 203, 204, 205, 206, 207, 208, and 209.
Supporting Course Requirements ..... 23 hours
BIO 211*, 348, CHE 111*, 112*, CIS 230, and MAT 107*.
General Education Requirements ..... 15 hours
ANO 100, HPR 180*, 282*, three hours general education humanities*, three hours social science*, and six hours of English composition*.
Total Curriculum Requirements ..... 68 hours

Suggested Curriculum Guides begin on page 178.

HEALTH INFORMATION TECHNOLOGY (A.S.)
Department of Health Information
CIP Code: 51.0707

Major Requirements ..... 38 hours
AHN 100, 200, HNF 201, 202, 203, 305, 306, 308, 310, 312, 314, and 332.
Supporting Course Requirements ..... 15 hours
BIO 171*, 301*, CIS 230, and ACS 280, and MAT 105 or 107.
General Education Requirements ..... 15 hours
ANO 100, HPR 180*, 282*, three hours general education humanities*, three hours general education social studies*, and six hours of English composition*.
Total Curriculum Requirements ..... 68 hours

Suggested Curriculum Guides begin on page 178.

MEDICAL ASSISTING TECHNOLOGY (A.S.)
Department of Medical Services Technology
CIP Code: 51.0801

Major Requirements ..... 35 hours
MAS 100, 111, 112, 220, 221, 250, 260, 290 310, 320.
Supporting Course Requirements ..... 15 hours
ACS 201, 250, AHN 200, 201, EMC 102.
General Education Requirements ..... 20 hours
ANO 100, BIO 171*, 301*, HPR 180* or 282*, three hours general education humanities*, three hours general education social science*, and six hours of English composition*.
Total Curriculum Requirements ..... 70 hours

OPTIONAL AREAS OF EMPHASIS:

Course for Pediatrics:
CDF 241 Prenatal and Infant Development 3
CDF 343 Child and Adolescent Development 3
MAS 300 Maternal-Child Health Care 3

Course for Obstetrics/Gynecology:
CDF 241 Prenatal and Infant Development 3
MAS 300 Maternal-Child Health Care 3

TOTAL HOURS WITH AN EMPHASIS 76-79

Suggested Curriculum Guides begin on page 178.

NURSING (ASN)
Department of Associate Degree Nursing
CIP Code: 51.1601

Major Requirements ..... 36-37 hours**
NUR 115, 116, 117, 120, 121, 122, 123, 205**, 235, 245, and 255.
Supporting Course Requirements ..... 23 hours
BIO 171*, 273, 301*, CHE 105*, NFA 201, PSY 202, and SOC 131*.
General Education Requirements ..... 10 hours
ANO 100, three hours general education humanities*, and six hours of English composition*.
Total Curriculum Requirements ..... 69-70 hours**

**Required of Licensed Practical Nurses Only

Suggested Curriculum Guides begin on page 178.

Baccalaureate Degrees

CLINICAL LABORATORY SCIENCE/OPTION CYTOTECHNOLOGY (B.S.)
Department of Clinical Laboratory Science
CIP Code: 51.1005

Major Requirements ..... 37-58 hours
Upper Division Core ..... 58 hours
CLS 201, 203, 300, 305, 308, 309, 310, 320, 346, 350, 355, 431, 432, 434, 436, 437, 438, 439, 440, and 441.
Option
Cytotechnology ..... 37 hours
CLS 404, 406, 408, 410, 412, 414, 416. 418, 420, and 422.
Supporting Course Requirements ..... 27-31 hours
Upper Division ..... 27 hours
BIO 211, 348, CHE 111, 112, 330, CIS 230, and MAT 107.
Cytotechnology ..... 31 hours
Twenty hours approved biology, eight hours approved chemistry*, and three hours approved math.
General Education Requirements ..... 36 hours
Standard General Education program, excluding course categories 13, 14, 15, 16, and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 4 hours
ANO 100 and three hours of restricted electives.
Free Electives ..... 3-20 hours
Total Curriculum Requirements ..... 128-129* hours

*Minimum chemistry requirement.

Suggested Curriculum Guides begin on page 178.

ENVIRONMENTAL HEALTH SCIENCE (B.S.)
Department of Environmental Health Science
CIP Code: 15.0506

Major Requirements ..... 43 hours
EHS 280, 300, 335, 370, 380, 425, 440, 460, and 463; plus 12 hours selected from EHS 290, 330, 340, 345, 349, 360, 395, 410, or 498.

Supporting Course Requirements ..... **43 hours**
AGR 215, BIO 141, 301, 320, 378, CHE 111, 112, 361, 366, ENG 300, HEA 450; MAT 107 or 109; and PHY 131.
General Education Requirements ..... **36 hours**
Standard General Education program, excluding course categories 13, 14, 15, 16, and 21. Refer to Part Three of this *Catalog* for details on the General Education and University Requirements.
University Requirements ..... **4 hours**
ANO 100 and three hours of restricted electives.
Free Electives ..... **3 hours**
Total Curriculum Requirements ..... **129 hours**

Suggested Curriculum Guides begin on page 178.

HEALTH EDUCATION (B.S.)
Department of Health Education
CIP Code: 51.0301

Major Requirements ..... **30-43 hours**
Community Health Core ..... **24 hours**
HEA 202, 203, 290, 315; 345 or 594; 375 or 592; 380, 450, 455.
Majors must select an option in School Health, P-12 (Teaching) or Wellness or take the following:
Community Health Courses ..... **19 hours**
HEA 360, 440, 463*, 416, 598; select three hours from HEA 498, 590, 591, 593, 595, or SOC 353.
School Health, P-12 (Teaching) ..... **6 hours**
EME 586 and three hours from HEA 390, 391, 498, 590, 593, 595, or 598.
Wellness ..... **18 hours**
HEA 360, 472*, 598; PHE 325, 433.
Supporting Course Requirements ..... **10-24 hours**
All Options ..... **9 hours**
BIO 171, 301, and NFA 201.
Community Health ..... **3 hours**
PHE 325.
School Health, P-12 (Teaching) ..... **1 hour**
BIO 378.
Wellness ..... **15 hours**
PHE 312, 315, 320; REC 411, 460.
Teacher Education Requirements
School Health Option ..... **31 hours**
EDF 103, 203, EPY 319, 413, SED 401, ESE 487, 498, and 499.
General Education Requirements ..... **45 hours**
Standard General Education program, excluding course categories 13 and 15. Refer to Part Three of this *Catalog* for details on the General Education and University Requirements.
University Requirements ..... **4 hours**
CHO 100 and three hours of restricted electives.
Free Electives ..... **8-24 hours**
Community Health ..... **24 hours**
(13 of these elective hours are restricted to course work outside of the major and the option.)
School Health, P-12 (Teaching) ..... **8 hours**
Wellness ..... **13 hours**
(All hours restricted to course work outside of the major and the option.)
Total Curriculum Requirements ..... **128 hours**

*Bachelor of Science degree students in the Community Health and Wellness Options are required to document a minimum of 200 hours of health education/wellness related experiences prior to enrolling in HEA 463, Field Experiences in Health Education, or HEA 472, Internship: Wellness.

Suggested Curriculum Guides begin on page 178.

HEALTH INFORMATION MANAGEMENT (B.S.)
Department of Health Information
CIP Code: 51.0706

Major Requirements ..... **54-68 hours**
Core ..... **51 hours**
AHN 100, 200, HNF 201, 203, 305, 306, 314, 370, 401, 404, 405, 406, 407, 409, 410, 412, and 414.
Options
Two-Plus-Two Program ..... **17 hours**
HNF 202, 308, 310, 312, and 332.
Four-Year Program ..... **3 hours**
HNF 316.
Supporting Course Requirements ..... **32 hours**
Two-Plus-Two Program ..... **32 hours**
ACS 280, BIO 171, 273, 301, CHE 105, CIS 230, MAT 107, MGT 300, 320, and STA 270.
Four-Year Program ..... **32 hours**
BIO 171, 273, 301, CHE 105, CIS 230, MAT 107, MGT 300, 320, SPE 100, and STA 270.
General Education Requirements ..... **31-34 hours**
Standard General Education program, excluding course categories 03, 13, 14, 15, 16 and 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements. **Note**: Four-year program also excludes course category 20.
University Requirements ..... **1 hour**
ANO 100.
Free Electives (Four-Year Program Only) ..... **11 hours**
Total Curriculum Requirements
(Two-Plus-Two Program) ..... **135 hours**
Total Curriculum Requirements
(Four-Year Program) ..... **129 hours**

Suggested Curriculum Guides begin on page 178.

NURSING (B.S.N)
Department of Baccalaureate and Graduate Nursing
CIP Code: 51.1699.01
(Post-RN 51.1601)

Major Requirements ..... **64 hours**
NSC 232, 242, 252, 330, 332, 350, 380, 386, 390, 392, 396, 480, 484, 486, 492, 495.
Supporting Course Requirements ..... **29 hours**
BIO 171, 273, 301, CHE 105, NFA 201, PSY 202, SOC 131 and 245 or CDF/HEC 132, STA 215 or approved substitution.
General Education Requirements ..... **31-32 hours**
Standard General Education program, excluding course categories 03, 09, 13, 14, 15, 16, and 19. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.

University Requirements ..... **4 hours**
ANO 100 and three hours of restricted electives.
Total Curriculum Requirements ..... **128-129 hours**

Suggested Curriculum Guides begin on page 178.

OCCUPATIONAL THERAPY (B.S.)
Department of Occupational Therapy
CIP Code: 51.2306

Major Requirements ..... **64 hours**
OTS 232, 320, 331, 335, 341, 352, 353, 354, 362, 425, 431, 432, 454, 455, 462, 473, 478, and 481, 482 (six month off-campus internships).
Supporting Course Requirements ..... **30 hours**
AHN 105, BIO 171, 271, 301, 371, EMC 104, PSY 202, 280, 308, 406, AHN 207 and any three hour statistics course or three hour combination of courses.
General Education Requirements ..... **42 hours**
Standard General Education Program, excluding course categories 13, 15, and 16. Refer to Part Three of the *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
ANO 100 and three hours of restricted electives.
Total Curriculum Requirements ..... **140 hours**

Suggested Curriculum Guides begin on page 178.

PHYSICAL EDUCATION (B.S.)
Department of Physical Education
CIP Code: 13.1314

Major Requirements ..... **37- 46 hours**
Core ..... **25 hours**
PHE 125, 224, 305, 312, 315, 320, 325, 326, 575; PHE 241 or 242; current CPR certifiication at time of graduation; and each student must complete one of the following options:
Options ..... **12-21 hours**
Adult Physical Fitness ..... **17 hours**
PHE 327, 433, 435, 471*, and 562.
Athletic Training ..... **21 hours**
PHE 398, 401, 402, 403, 404, and 523.
General (Non-Teaching) ..... **18 hours**
PHE 327, 365, 400, 415, 467, and four additional hours from the following skill courses: PHE 220, 242, 250, 300, 306, 307, 340, 435, 450.
P-12 Teaching ..... **19 hours**
PHE 300, 310, 323, 365, 415, 467, 562.
Sports Supervision ..... **17 hours**
PHE 327, 400, 470*, two hours coaching elective, and three additional hours from the following skill courses: PHE 220, 242, 250, 300, 306, 307, 340, 365, 435, 450.
Wellness ..... **12 hours**
PHE 433, 435, and 472*.
Supporting Course Requirements ..... **9-27 hours**
All Options ..... **9 hours**
BIO 171 and 301; CIS 212 or CSC 104.
Adult Physical Fitness ..... **8 hours**
NFA 201, REC 411, and HEA 202.
Athletic Training ..... **10 hours**
Three hours from PSY 202, 305, or 314; HEA 202; NFA 201; and two hours coaching elective.
General (Non-Teaching) ..... **2 hours**
HEA 202.
Sports Supervision ..... **11 hours**
HEA 202, REC 102, 406, and three hours from GBU 204, ACC 201, or PUB 530.
Wellness ..... **18 hours**
NFA 201, HEA 315, 360, 380, REC 411, 460; current first aid certification at time of graduation.
Teacher Education Requirements
(P-12 Teaching Option) ..... **32 hours**
EDF 103, 203, EPY 319, ESE 466, 498, 499, EME 465, and ELE 541.
General Education Requirements ..... **42 hours**
Standard General Education program, excluding course categories 03, 13, and 15. Refer to Part Three of this *Catalog* for details on the General Education and University Requirements.
University Requirements ..... **4 hours**
CHO 100 and three hours of restricted electives.
Free Electives ..... **0-28 hours**
Total Curriculum Requirements ..... **128-131 hours**

*Students are required to document a minimum of two hundred (200) hours of appropriately related experiences prior to enrolling in PHE 470/471/472.

Suggested Curriculum Guides begin on page 178.

RECREATION AND PARK ADMINISTRATION (B.S.)
Department of Recreation and Park Administration
CIP Code: 31.0301

Major Requirements ..... **48-49 hours**
Core ..... **33 hours**
REC 101, 102, 163, 263, 300, 309, 311, 350, 450, 460, and 463; and one of the following options:
Options ..... **15-16 hours**
Leisure/Recreation Program Delivery ..... **15 hours**
REC 310, 401, 406, 530, and SOC 131.
Outdoor Recreation/Environmental Education ..... **15 hours**
REC 401, 406, 516, 530, and GEO 302.
Therapeutic Recreation ..... **16 hours**
REC 411, 511, 512, AHN 105; BIO 171 and 301.
Supporting Course Requirements
(All Options) ..... **18 hours**
CIS 212 or CSC 104; HEA 202, 203; PSY 202, 280, 308, and SPE 210.
General Education Requirements ..... **39 or 42 hours**
Standard General Education Program, excluding course categories 03 and 04 for all majors; course category 09 for Leisure/Recreation Program Delivery Option; course category 12 for Outdoor Recreation/Environmental Education Option; and course categories 13 and 15 for Therapeutic Recreation Option. Refer to Part Three of this *Catalog* for details on the General Education and University Requirements.

University Requirements ..... **4 hours**
CHO 100 and three hours of restricted electives.
Free Electives ..... **16-18 hours**
Leisure/Recreation Program Delivery ..... **16 hours**
Outdoor Recreation/Environmental Education ..... **16 hours**
Therapeutic Recreation ..... **18 hours**
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 178.

CERTIFICATES

Suggested Curriculum Guide for Coding Certificate

Freshman Year

First Semester

BIO 171	3
AHN 200	3
BIO 301	3
TOTAL	**9**

Second Semester

HNF 201	2
HNF 203	4
TOTAL	**6**

Sophomore Year

First Semester

HNF 306	3
TOTAL	**3**

Second Semester

HNF 314	3
TOTAL	**3**

Suggested Curriculum Guide for Post-Baccalaureate Certificate

Freshman Year

First Semester

AHN 100	3
HNF 201	2
HNF 203	4
HNF 306	3
TOTAL	**12**

Second Semester

HNF 305	3
HNF 314	3
HNF 316	3
HNF 401	3
HNF 409	3
TOTAL	**15**

Sophomore Year

First Semester

HNF 370	3
HNF 404	3
HNF 406	3
HNF 407	3
TOTAL	**12**

Second Semester

HNF 405	3
HNF 410	2
HNF 412	6
HNF 414	1
TOTAL	**12**

ASSOCIATE DEGREES

Suggested Curriculum Guide for Clinical Laboratory Technology (A.S.)

Freshman Year

First Semester

CIS 230	3
ANO 100	1
CHE 111	4
Gen Ed (01)	3
CLT 201	1
CLT 208	1
Gen Ed (17)	1
TOTAL	**14**

Second Semester

CHE 112	5
Gen Ed. (02)	3
CLT 202	3
BIO 211	4
Gen. Ed (18)	1
TOTAL	**16**

Sophomore Year

First Semester

CLT 209	5
CLT 203	3
CLT 204	2
BIO 348	4
TOTAL	**14**

Second Semester

CLT 205	6
CLT 206	7
CLT 207	2
TOTAL	**15**

Summer

MAT 107	3
Gen. Ed (05, 06, 07, or 08)	3
Gen. Ed (09, 10, 11, or 12)	3
TOTAL	**9**

Suggested Curriculum Guide for Health Information Technology (A.S.)

Freshman Year

First Semester

ANO 100	1
AHN 100	3
AHN 200	3
BIO 171	3
BIO 301	3
Gen. Ed. (01)	3
Gen. Ed. (17)	1
TOTAL	**17**

Second Semester

HNF 201	2
HNF 203	4
ACS 280*	3
Gen. Ed (02)	3
Gen. Ed. (18)	1
MAT 105 or MAT 107	3
TOTAL	**16**

*MGT 220 can be taken instead of ACS 280

Sophomore Year

First Semester

HNF 305	3
HNF 306	3
HNF 310	4
CIS 230	3
Gen. Ed. (09, 10, 11, or 12)	3
TOTAL	**16**

Second Semester

HNF 202	3
HNF 308	2
HNF 312	6
HNF 314	3
HNF 332	2
TOTAL	**16**

Summer

Gen. Ed. (05, 06, 07, or 08)	3
TOTAL	**3**

Suggested Curriculum Guide for Medical Assisting Technology (A.S.)

Freshman Year

First Semester

AHN 200	3
ANO 100	1
BIO 171	3
Gen. Ed (01)	3
Gen. Ed. (17 or 18)	1
Gen. Ed. (05, 06, 07, or 08)	3
ACS 250	3
TOTAL	**17**

Second Semester

AHN 201	3
BIO 301	3
Gen. Ed. (09, 10, 11, or 12)	3
Gen. Ed (02)	3
MAS 100	3
EMC 102	3
TOTAL	**18**

Sophomore Year

First Semester

MAS 111	3
MAS 112	3
MAS 250	3
ACS 201	3
MAS 310	1
MAS 320	3
TOTAL	**16**

Second Semester

MAS 220	5
MAS 221	5
MAS 260	5
TOTAL	**15**

intersession

MAS 290	4
TOTAL	**4**

Suggested Curriculum Guide for Nursing (A.S.N.)

Freshman Year

First Semester

ANO 100	1
BIO 171	3
Gen. Ed. (01)	3
NFA 201	3
NUR 115	5
NUR 116	1
NUR 117	2
TOTAL	**18**

Second Semester

BIO 301	3
Gen. Ed. (02)	3
CHE 105	4
NUR 120	1
NUR 121	2
NUR 122	2
NUR 123	1
TOTAL	**16**

Sophomore Year

First Semester

BIO 273	4
NUR 235	10
PSY 202 or SOC 131	3
TOTAL	**17**

Second Semester

NUR 245	10
NUR 255	2
PSY 202 or SOC 131	3
Humanities Elective	3
TOTAL	**18**

Suggested Curriculum Guide for Licensed Practical Nurse entering Associate Degree Nursing Program (A.S.N.)

Freshman Year

First Semester

ANO 100	1
BIO 171	3
Gen. Ed. (01)	3
NFA 201	3
*NUR 115	5
*NUR 116	1
*NUR 117	2
TOTAL	**18**

Second Semester

BIO 301	3
Gen. Ed. (02)	3
CHE 105	4
*NUR 120	1
*NUR 121	2
*NUR 122	2
*NUR 123	1
NUR 205	1
TOTAL	**17**

Sophomore Year

First Semester

BIO 273	4
NUR 235	10
PSY 202 or SOC 131	3
TOTAL	**17**

Second Semester

NUR 245	10
NUR 255	2
PSY 202 or SOC 131	3
Gen. Ed. (05, 06, 07, or 08)	3
TOTAL	**18**

*Credit granted upon admission to program and completion of NUR 205

BACCALAUREATE DEGREES

Suggested Curriculum Guide for Clinical Laboratory Science (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
ANO 100	1	CIS 230	3	CLS 203*	1	CLS 431	3
CHE 111	4	BIO 211	4	CLS 305	2	Gen. Ed +	9
Gen. Ed + (01)	3	CLS 201* or		CLS 308	2	(07, 11, and 04, 08, or 12)	
MAT 107	3	Gen. Ed.+ (05)	3	CLS 309*	1	Free Elective	3
Gen. Ed.+ (17)	1	Gen. Ed + (19)	2	CLS 310	5	**TOTAL**	**15**
Gen. Ed + (09)	3	Restricted Elective	3	CLS 350	5	**Second Semester**	
TOTAL	**15**	**TOTAL**	**15**	UWR		CLS 432	5
Second Semester		**Second Semester**		**TOTAL**	**14 or 16**	CLS 434	4
CHE 112	5	BIO 348	4	**Second Semester**		CLS 436	1
Gen. Ed + (02)	3	CHE 330	4	CLS 203*	1	CLS 437	3
Gen. Ed + (18)	1	Gen. Ed.+ (03 and 06)	6	CLS 300	2	CLS 438	4
CLS 201* or		Gen. Ed + (20)	2	CLS 309*	1	CLS 439	1
Gen. Ed +(05)	3	**TOTAL**	**16**	CLS 320	3	CLS 440	2
Gen. Ed + (10)	3			CLS 346	6	CLS 441	1
TOTAL	**15**			CLS 355	4	**TOTAL**	**21**
				TOTAL	**15 or 17**		

+Suggested general education categories
*CLS 201, 203 and CLS 309 are only taken once.

Suggested Curriculum Guide for Clinical Laboratory Science/Option Cytotechnology (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year.	
First Semester		**First Semester**		**First Semester**		**First Semester**	
ANO 100	1	BIO 211*	4	**Approved Biology		CLS 404, 406, 408	15
CHE 111*	4	CHE 325^	4	Electives	12	**TOTAL**	**15**
Gen. Ed + (01)	3	Gen. Ed + (05)	3	Gen. Ed.+ (07)	3	**Second Semester**	
MAT 107	3	Free Elective	3	UWR		CLS 410, 412, 414, 416,	
Gen. Ed.+ (17)	1	**TOTAL**	**14**	**TOTAL**	**15**	418	15
Gen. Ed.+ (09)	3	**Second Semester**		**Second Semester**		**TOTAL**	**15**
TOTAL	**15**	BIO 348*	4	Free Electives	9		
Second Semester		CHE 330^	4	Gen. Ed + (11 and 04, 08,		**Summer**	
CHE 112*	5	Gen. Ed + (03 and 06)	6	or 12)	6	CLS 420, 422	7
Gen. Ed + (02)	3	Gen. Ed + (20)	2	**TOTAL**	**15**	**TOTAL**	**7**
Gen. Ed.+ (18)	1	**TOTAL**	**16**				
Gen. Ed + (10)	3						
Gen. Ed + (19)	2						
Restricted Elective	3						
TOTAL	**17**						

+Suggested general education categories
*Other approved Chemistry or Biology may be substituted to meet catalog requirements.
**CLS and CLT courses which meet certifying requirements for Cytotechnology may be substituted.
^Suggested Free Electives

Suggested Curriculum Guide for Environmental Health Science (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
ANO 100	1	Gen. Ed (05)	3	EHS Elective	4	CHE 361	4
Gen. Ed (01)	3	EHS Elective	3	EHS 370	3	CHE 366	1
MAT 107	3	ENG 300	3	EHS 425	3	Gen. Ed. (07)	3
Gen. Ed (17)	1	CHE 112	5	Gen. Ed. (11)	3	EHS 463 Field	
Gen. Ed (19)	2	EHS 335	3	AGR 215	3	Experience	6
EHS 280	3	**TOTAL**	**17**	UWR		**TOTAL**	**14**
BIO 141	4	**Second Semester**		**TOTAL**	**16**	**Second Semester**	
TOTAL	**17**	Gen. Ed (06)	3	**Second Semester**		EHS Elective	3
Second Semester		Gen. Ed (09)	3	EHS 300	4	EHS 460	3
Gen. Ed (02)	3	BIO 301	3	BIO 320	4	Restricted Elective	3
PHY 131	5	BIO 378	1	EHS 380	3	EHS 440	3
Gen. Ed (04, 08, or 12)	3	Gen. Ed. (10)	3	HEA 450	3	Free Elective	3
CHE 111	4	EHS Elective	3	Gen. Ed. (20)	2	**TOTAL**	**15**
Gen. Ed (03)	3	Gen. Ed (18)	1	**TOTAL**	**16**		
TOTAL	**18**	**TOTAL**	**17**				

HEALTH SCIENCES

Suggested Curriculum Guide for Health Education/Community Health Option (B.S.)

Freshman Year
First Semester
CHO 100 1
Gen. Ed. (01) 3
HEA 202 2
Gen. Ed. (09) 3
Gen. Ed. (17) 1
Gen. Ed. (19) 2
Gen. Ed. (07) 3
TOTAL 15
Second Semester
Gen. Ed. (02) 3
Gen. Ed. (03) 3
Gen. Ed. (10) 3
Gen. Ed. (14) 3
Gen. Ed. (18) 1
HEA 203 1
TOTAL 14

Sophomore Year
First Semester
Gen. Ed. (05) 3
Gen. Ed. (11) 3
Gen. Ed. (20) 2
BIO 171 3
Electives** 6
TOTAL 17
Second Semester
Gen. Ed. (06) 3
NFA 201 3
Gen. Ed. (04, 08, 12, or 16) 3
Gen. Ed. (21) 3
Electives** 6
TOTAL 18

Junior Year
First Semester
BIO 301 3
HEA 380 3
HEA 450 3
Restricted Elective or
HEA 375 3
Elective** 3
UWR
TOTAL 15
Second Semester
HEA 345 or 594 3
HEA 290 3
HEA 315 3
HEA 592 or
Restricted Elective 3
PHE 325 3
Elective** 3
TOTAL 18

Senior Year
First Semester
HEA 455 3
HEA 598 3
HEA Electives (HEA 498, 590, 591, 593, 595, SOC 353) 3
Gen. Ed (04, 08, 12, or 16) 3
Elective** 3
CPR Certification Renewed
TOTAL 15
Second Semester
HEA 360 3
HEA 440 1
HEA 416 3
HEA 463* 6
Elective** 3
TOTAL 16

*200 Hours of Health/Wellness related experiences required prior to enrollment.
**13 of these elective hours are restricted to course work outside of the major and the option.

Suggested Curriculum Guide for Health Education/School Health P-12 Teaching Option (B.S.)

Freshman Year
First Semester
CHO 100 1
Gen. Ed (01) 3
HEA 202 2
Gen. Ed. (09) 3
Gen. Ed (17) 1
Gen. Ed. (19) 2
Gen. Ed (07) 3
TOTAL 15
Second Semester
Gen. Ed. (02) 3
Gen. Ed (03) 3
Gen. Ed. (10) 3
Gen. Ed (14) 3
Gen. Ed (18) 1
HEA 203 1
TOTAL 14

Sophomore Year
First Semester
Gen. Ed. (05) 3
Gen. Ed (11) 3
BIO 171 3
EDF 203 2
Gen. Ed (20) 2
EPY 319 4
TOTAL 17
Second Semester
Gen. Ed. (06) 3
BIO 301 3
BIO 378 1
NFA 201 3
Gen. Ed (21) 3
Gen. Ed (04, 08, 12, or 16) 3
TOTAL 16

Junior Year
First Semester
HEA 380 3
HEA 450 3
HEA 345 or 594 3
EPY 413 2
HEA 375 or
Restricted Elective 3
Elective 3
UWR
TOTAL 17
Second Semester
HEA 290 3
HEA 315 3
HEA 592 or
Restricted Elective 3
Gen. Ed. (04, 08, 12, or 16) 3
Electives 5
TOTAL 17

Senior Year
First Semester
HEA 455 3
EME 586 3
ESE 498 3
SED 401 3
HEA 390, 391, 498, 590, 593, 595, or 598 3
CPR Certification Renewed
TOTAL 15
Second Semester
ESE 487 3
ESE 499* 12
TOTAL 15

*No other class may be taken during student teaching.

Suggested Curriculum Guide for Health Education/Wellness Option (B.S.)

Freshman Year
First Semester
CHO 100 1
Gen. Ed. (01) 3
HEA 202 2
Gen. Ed (09) 3
Gen. Ed. (17) 1
Gen. Ed. (19) 2
Gen. Ed (07) 3
TOTAL 15
Second Semester
Gen. Ed. (02) 3
Gen. Ed. (03) 3
Gen. Ed. (10) 3
Elective** 3
Gen. Ed. (18) 1
HEA 203 1
Restricted Elective 3
TOTAL 17

Sophomore Year
First Semester
Gen. Ed. (05) 3
Gen. Ed. (11) 3
BIO 171 3
PHE 315 3
Gen. Ed. (04, 08, 12, or 16) 3
Elective** 1
TOTAL 16
Second Semester
Gen. Ed. (06) 3
BIO 301 3
PHE 312 3
PHE 325 3
Elective** 3
TOTAL 15

Junior Year
First Semester
PHE 433 3
PHE 320 3
HEA 345 or 594 3
HEA 375 or Elective** 3
NFA 201 3
HEA 450 3
UWR
TOTAL 18
Second Semester
HEA 290 3
Gen Ed (04, 08, 12, or 16) 3
Gen. Ed. (21) 3
HEA 315 3
Gen. Ed. (20) 2
HEA 592 or Elective** 3
TOTAL 17

Senior Year
First Semester
REC 411 3
REC 460 3
HEA 380 3
HEA 455 3
HEA 598 3
Elective** 3
CPR Certification Renewed
TOTAL 18
Second Semester
HEA 360 3
HEA 472* 6
Gen. Ed (14) 3
TOTAL 12

*200 hours of Health/Wellness related experiences required prior to enrollment
**All hours restricted to course work outside of the major and the option.

Suggested Curriculum Guide for Health Information Management/Two-Plus-Two (A.S./B.S.)

Freshman Year

First Semester

ANO 100	1
AHN 100	3
AHN 200	3
BIO 171	3
BIO 301	3
Gen Ed. (01)	3
Gen Ed. (17)	1
TOTAL	**17**

Second Semester

HNF 201	2
HNF 203	4
ACS 280	3
Gen Ed (02)	3
Gen Ed. (18)	1
MAT 107	3
TOTAL	**16**

Sophomore Year

First Semester

HNF 305	3
HNF 306	3
HNF 310	4
CIS 230	3
Gen. Ed (07 or 08)	3
TOTAL	**16**

Second Semester

HNF 202	3
HNF 308	2
HNF 312	6
HNF 314	3
HNF 332	2
TOTAL	**16**

Summer

Gen Ed (05, 06)	6
Gen Ed (10)	3
TOTAL	9

Junior Year

First Semester

HNF 370	3
STA 270	3
CHE 105	4
MGT 300	3
Gen. Ed. (19)	2
UWR	
TOTAL	**15**

Second Semester

HNF 401	3
HNF 409	3
MGT 320	3
BIO 273	4
Gen. Ed. (09)	3
TOTAL	**16**

Senior Year

First Semester

HNF 404	3
HNF 406	3
HNF 407	3
Gen. Ed (11)	3
Gen. Ed (20)	3
Gen. Ed (04, 08, or 12)	3
TOTAL	**18**

Second Semester

HNF 405	3
HNF 410	2
HNF 412	6
HNF 414	1
TOTAL	**12**

*MGT 220 can be taken instead of ACS 280.

Suggested Curriculum Guide for Health Information Management (B.S.)

Freshman Year

First Semester

ANO 100	1
AHN 100	3
AHN 200	3
BIO 171	3
Gen Ed (01)	3
Gen. Ed. (17)	1
Elective	3
TOTAL	**17**

Second Semester

HNF 201	2
CIS 230	3
BIO 301	3
Gen. Ed (02)	3
Gen Ed (18)	1
Gen Ed (09)	3
TOTAL	**15**

Sophomore Year

First Semester

HNF 203	4
SPE 100	3
MAT 107	3
CHE 105	4
Gen Ed (10)	3
TOTAL	**17**

Second Semester

HNF 305	3
HNF 306	3
BIO 273	4
STA 270	3
Gen. Ed (19)	2
Gen Ed (05)	3
TOTAL	**18**

Junior Year

First Semester

HNF 314	3
HNF 370	3
MGT 300	3
Gen Ed (06)	3
Electives	5
UWR	
TOTAL	**17**

Second Semester

MGT 320	3
HNF 316	3
HNF 401	3
HNF 409	3
Gen. Ed (07)	3
Gen. Ed (11)	3
TOTAL	**18**

Senior Year

First Semester

HNF 404	3
HNF 406	3
HNF 407	3
Gen. Ed (04, 08, or 12)	3
Electives	3
TOTAL	**15**

Second Semester

HNF 405	3
HNF 410	2
HNF 412	6
HNF 414	1
TOTAL	**12**

Suggested Curriculum Guide for Nursing (B.S.N.)

Freshman Year

First Semester

ANO 100	1
CHE 105	4
Gen. Ed (01)	3
PSY 202	3
SOC 131	3
Gen Ed (17)	1
TOTAL	**15**

Second Semester

BIO 171	3
BIO 301	3
Gen Ed (02)	3
SOC 245 or CDF 132	3
Gen Ed (18)	1
Gen Ed (21)	3
TOTAL	**16**

Sophomore Year

First Semester

BIO 273	4
NSC 232	3
NSC 242	3
NSC 252	3
NFA 201	3
TOTAL	**16**

Second Semester

NSC 332	2
NSC 350	3
NSC 380	4
STA 215 or Gen. Ed (05)	3
Gen Ed (20)	2 or 3
Restricted Elective	3
TOTAL	**17 or 18**

Junior Year

First Semester

NSC 330	3
NSC 386	10
STA 215 or Gen Ed (05)	3
UWR	
TOTAL	**16**

Second Semester

NSC 390	2
NSC 392	5
NSC 396	6
Gen Ed. (06)	3
TOTAL	**16**

Senior Year

First Semester

NSC 480	3
NSC 484	5
NSC 486	5
Gen. Ed (10)	3
TOTAL	**16**

Second Semester

NSC 492	5
NSC 495	2
Gen. Ed. (11)	3
Gen. Ed. (07)	3
Gen Ed. (04, 08, or 12)	3
TOTAL	**16**

A minimum of 128 hours is required for the B.S.N degree.

Total hours for graduation 128-129

Suggested Curriculum Guide for Nursing (RN-B.S.N.)

Junior Year

First Semester

NSC 381	4
NSC 350	3
Gen. Ed. (20)	2-3
Gen. Ed (21)	3
Gen. Ed. (05)	3
TOTAL	15-16

Second Semester

NSC 332	2
NSC 385**	4
NSC 330*	3
STA 215	3
Gen. Ed. (10)	3
UWR	
TOTAL	15

A minimum of 128 credit hours is required for the B.S.N. degree.

Senior Year

First Semester

NSC 486	5
NSC 480	3
NSC 390	2
Gen. Ed. (06)	3
Restricted Elective	3
TOTAL	16

Second Semester

NSC 492	5
NSC 495	2
Gen. Ed. (07)	3
Gen. Ed. (11)	3
Gen. Ed (04, 08, or 12)	3
Free Elective	2
TOTAL	18

*Credit by Exam option
**Credit for NSC 380, 386, and 484 granted upon successful completion of NSC 385

Suggested Curriculum Guide for Occupational Therapy (B.S.)

Pre-Occupational Therapy Program

Freshman Year

First Semester

ANO 100	1
BIO 171	3
Gen. Ed (01)	3
OTS 111 (optional)	1
PSY 202	3
Gen. Ed (21)	3
Gen. Ed (17)	1
TOTAL	15

Second Semester

Gen. Ed (02)	3
BIO 301	3
PSY 280	3
Gen. Ed (18)	1
Gen. Ed (19)	2
Gen. Ed (20)	2-3
Gen. Ed (07)	3
TOTAL	17-18

Sophomore Year

First Semester

AHN 105	1
AHN 207	3
PSY 308	3
Gen. Ed (05)	3
Gen. Ed (09)	3
Gen. Ed (04, 08, or 12)	3
TOTAL	16

Professional Program

Second Semester

OTS 232	3
OTS 331	3
BIO 271	3
OTS 320	3
Gen. Ed. (06)	3
EMC 104	1
TOTAL	16

Junior Year

First Semester

Statistics	3
OTS 352	4
OTS 362	3
BIO 371	3
Gen. Ed (10)	3
TOTAL	16

Second Semester

Gen. Ed. (11)	3
OTS 353	4
OTS 354	4
OTS 341	2
OTS 335	2
OTS 431	3
TOTAL	18

Senior Year

First Semester

OTS 454	4
OTS 462	2
OTS 425	3
Gen. Ed. (14)	3
Gen. Ed. (03)	3
TOTAL	15

Second Semester

OTS 455	4
OTS 473	2
OTS 478	3
OTS 432	3
Restricted Elective	3
TOTAL	15

Third Semester Required Internships

OTS 481	6
OTS 482	6
OTS 483 (optional)	Variable
TOTAL	12+

Suggested Curriculum Guide for Physical Education/Adult Physical Fitness Option (B.S.)

Freshman Year

First Semester

CHO 100	1
Gen. Ed (01)	3
PHE 125	1
HEA 202	2
Gen. Ed (09)	3
Gen. Ed (17)	1
Gen. Ed (19)	2
Gen. Ed (07)	3
TOTAL	16

Second Semester

Gen. Ed (02)	3
CIS 212/CSC 104	3
Gen. Ed (10)	3
Gen. Ed (14)	3
Gen. Ed (18)	1
Gen. Ed (21)	3
Elective	1
TOTAL	17

Sophomore Year

First Semester

Gen. Ed (05)	3
Gen. Ed (11)	3
BIO 171	3
PHE 315	3
Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed (20)	2
TOTAL	17

Second Semester

Gen. Ed (06)	3
BIO 301	3
PHE 224	3
PHE 241 or 242	1
Gen. Ed (04, 08, 12, or 16)	3
NFA 201	3
TOTAL	16

Junior Year

First Semester

PHE 433	3
PHE 320	3
PHE 312	3
PHE 326	2
PHE 325	3
PHE 435	3
UWR	
TOTAL	17

Second Semester

PHE 305	3
PHE 327	3
Electives	7
Restricted Elective	3
TOTAL	16

Senior Year

First Semester

REC 411	3
PHE 575	3
PHE 562	2
Electives	8
CPR Certification Renewed	
TOTAL	16

Second Semester

Electives	7
PHE 471*	6
TOTAL	13

*200 hours of adult fitness related experiences required to enroll in PHE 471

Suggested Curriculum Guides for Physical Education/Athletic Training Option (B.S.)

Freshman Year

First Semester

CHO 100	1
Gen. Ed. (01)	3
PHE 125	1
HEA 202	2
Gen. Ed. (09)	3
Gen Ed (17)	1
Gen. Ed. (19)	2
Gen. Ed. (07)	3
TOTAL	**16**

Second Semester

Gen. Ed. (02)	3
CIS 212/CSC 104	3
Gen. Ed. (10)	3
BIO 171	3
Gen. Ed (18)	1
Elective	1
Gen. Ed. (21)	3
TOTAL	**17**

Sophomore Year

First Semester

Gen. Ed. (05)	3
Gen. Ed (11)	3
PHE 312	3
PHE 315	3
PHE 241 or 242	1
Coaching Skills	2
Gen. Ed. (20)	2
TOTAL	**17**

Second Semester

Gen Ed (06)	3
BIO 301	3
PHE 224	3
PHE 401, 402, or 403	3
NFA 201	3
Gen. Ed (04, 08, 12, or 16)	3
TOTAL	**18**

Junior Year

First Semester

PHE 401, 402, or 403	3
PHE 325	3
PHE 398	2
Elective	3
PHE 305	3
Gen. Ed (14)	3
UWR	
TOTAL	**17**

Second Semester

PHE 398	2
PHE 320	3
PHE 401, 402, or 403	3
Gen Ed (04, 08, 12, or 16)	3
PHE 326	2
PSY 202, 305, or 314	3
TOTAL	**16**

Senior Year

First Semester

PHE 398	2
PHE 523	3
PHE 575	3
PHE 562	2
Elective	2
Restricted Elective	3
CPR Certification Renewed	
TOTAL	**15**

Second Semester

PHE 404	3
Elective	11
TOTAL	**14**

Suggested Curriculum Guide for Physical Education/General Option (B.S.)

Freshman Year

First Semester

CHO 100	1
Gen Ed (01)	3
PHE 125	1
HEA 202	2
Gen Ed (09)	3
Gen. Ed (17)	1
Gen Ed (19)	2
Gen Ed (07)	3
TOTAL	**16**

Second Semester

Gen. Ed (02)	3
CIS 212/CSC 104	3
Gen. Ed. (10)	3
Gen. Ed. (14)	3
Gen. Ed (18)	1
Elective	1
Gen. Ed (21)	3
TOTAL	**17**

Sophomore Year

First Semester

Gen Ed (05)	3
Gen Ed (11)	3
BIO 171	3
PHE Skills Course	2
Gen Ed (04, 08, 12, or 16)	3
Gen Ed (20)	2
TOTAL	**16**

Second Semester

Gen. Ed (06)	3
BIO 301	3
PHE 241 or 242	1
PHE 315	3
PHE 224	3
Gen Ed (04, 08, 12, or 16)	3
TOTAL	**16**

Junior Year

First Semester

PHE 305	3
PHE 365	2
PHE 320	3
PHE 312	3
PHE 325	3
PHE Skills Course	2
UWR	
TOTAL	**16**

Second Semester

PHE 326	2
PHE 327	3
PHE 467	3
Electives	8
TOTAL	**16**

Senior Year

First Semester

PHE 400	3
Electives	10
Restricted Elective	3
CPR Certification Renewed	
TOTAL	**16**

Second Semester

PHE 415	3
PHE 575	3
Electives	9
TOTAL	**15**

Suggested Curriculum Guide for Physical Education/Sports Supervision Option (B.S.)

Freshman Year

First Semester

CHO 100	1
Gen. Ed (01)	3
PHE 125	1
HEA 202	2
Gen. Ed. (09)	3
Gen Ed (17)	1
Gen Ed (19)	2
Gen Ed. (07)	3
TOTAL	**16**

Second Semester

Gen. Ed. (02)	3
CIS 212/CSC 104	3
Gen. Ed. (10)	3
Gen. Ed. (14)	3
Gen. Ed (18)	1
Gen. Ed (21)	3
Elective	1
TOTAL	**17**

Sophomore Year

First Semester

Gen Ed (05)	3
Gen Ed (11)	3
BIO 171	3
PHE 315	3
REC 102	3
Gen Ed (20)	2
TOTAL	**17**

Second Semester

Gen. Ed (06)	3
BIO 301	3
GBU 204, ACC 201, or PUB 530	3
PHE 224	3
PHE 241 or 242	1
Gen Ed (04, 08, 12, or 16)	3
TOTAL	**16**

Junior Year

First Semester

PHE 326	2
PHE 312	3
PHE 305	3
PHE 325	3
PHE 400	3
Elective	3
UWR	
TOTAL	**17**

Second Semester

PHE 320	3
PHE 327	3
Coaching Skills	2
REC 406	3
Gen Ed (04, 08, 12, or 16)	3
Elective	3
TOTAL	**17**

Senior Year

First Semester

PHE 575	3
PHE Skills Course	3
Electives	7
Restricted Elective	3
CPR Certification Renewed	
TOTAL	**16**

Second Semester

Elective	6
PHE 470*	6
TOTAL	**12**

*200 hours of sport supervion related experiences required to enroll in PHE 470

HEALTH SCIENCES

Suggested Curriculum Guide for Physical Education/P-12 Teaching Option (B.S.)

Freshman Year

First Semester

CHO 100	1
Gen. Ed (01)	3
PHE 125	1
Gen. Ed (20)	2
Gen. Ed (09)	3
Gen. Ed (17)	1
Gen. Ed (19)	2
Gen. Ed. (07)	3
TOTAL	16

Second Semester

Gen. Ed (02)	3
CIS 212/CSC 104	3
Gen. Ed (10)	3
Gen. Ed (18)	1
Gen. Ed (04, 08, 12, or 16)	3
PHE 241 or 242	1
Gen. Ed (14)	3
TOTAL	17

Sophomore Year

First Semester

Gen. Ed. (05)	3
Gen. Ed. (11)	3
BIO 171	3
EDF 103	2
PHE 224	3
Gen. Ed. (21)	3
TOTAL	17

Second Semester

Gen. Ed. (06)	3
BIO 301	3
PHE 320	3
EDF 203	2
PHE 315	3
Restricted Elective	3
TOTAL	17

Junior Year

First Semester

PHE 323	3
EPY 319	4
PHE 312	3
PHE 365	2
PHE 325	3
UWR	
TOTAL	15

Second Semester

EME 465	3
PHE 300	3
PHE 415	3
PHE 305	3
PHE 310	3
PHE 326	2
TOTAL	17

Senior Year

First Semester

ESE 498	3
ELE 541	3
PHE 575	3
PHE 562	2
PHE 467	3
Gen. Ed. (04, 08, 12, or 16)	3
CPR Certification Renewed	
TOTAL	17

Second Semester

ESE 466	3
ESE 499*	12
TOTAL	15

*No other class may be taken during student teaching

Suggested Curriculum Guide for Physical Education/Wellness Option (B.S.)

Freshman Year

First Semester

CHO 100	1
Gen. Ed (01)	3
PHE 125	1
Elective	2
Gen. Ed. (09)	3
Gen. Ed (17)	1
Gen. Ed (19)	2
Gen. Ed. (07)	3
TOTAL	16

Second Semester

Gen. Ed (02)	3
CIS 212/CSC 104	3
Gen. Ed. (10)	3
Gen. Ed (14)	3
Gen. Ed (18)	1
Gen. Ed (21)	3
Elective	1
TOTAL	17

Sophomore Year

First Semester

Gen. Ed (05)	3
Gen. Ed (11)	3
BIO 171	3
PHE 224	3
Gen. Ed (20)	2
Gen. Ed (04, 08, 12, or 16)	3
TOTAL	17

Second Semester

Gen. Ed (06)	3
BIO 301	3
PHE 241 or 242	1
PHE 312	3
PHE 315	3
NFA 201	3
TOTAL	16

Junior Year

First Semester

PHE 433	3
PHE 320	3
PHE 435	3
HEA 360	3
HEA 380	3
UWR	
TOTAL	15

Second Semester

PHE 325	3
PHE 326	2
PHE 305	3
HEA 315	3
Elective	3
Restricted Elective	3
TOTAL	17

Senior Year

First Semester

REC 411	3
REC 460	3
PHE 575	3
Electives	5
Gen Ed (04, 08, 12, or 16)	3
CPR Certification Renewed	
TOTAL	17

Second Semester

PHE 472*	6
Electives	7
TOTAL	13

*200 hours of wellness related experiences required prior to enrollment in PHE 472

Suggested Curriculum Guide for Recreation and Park Administration/Leisure/Recreation Program Delivery Option (B.S.)

Freshman Year

First Semester

CHO 100	1
Gen. Ed (01)	3
Elective	3
Gen. Ed (17)	1
Gen. Ed. (19)	2
Gen. Ed (07)	3
SPE 210	3
TOTAL	16

Second Semester

Gen. Ed. (02)	3
Elective	3
Gen. Ed (11)	3
Gen. Ed (13)	3
Gen. Ed. (18)	1
CIS 212 or CSC 104	3
Gen. Ed. (20)	2
TOTAL	18

Sophomore Year

First Semester

Gen. Ed. (05)	3
Gen. Ed (10)	3
Gen. Ed (14)	3
Elective	3
REC 101	1
REC 102	3
REC 163	1
TOTAL	17

Second Semester

Gen. Ed. (06)	3
Gen. Ed. (15)	3
Gen. Ed. (08, 12, or 16)	3
REC 300	3
REC 310	3
PSY 280	3
TOTAL	18

Junior Year

First Semester

REC 350	3
REC 311	3
SOC 131	3
HEA 203	1
Gen. Ed (21)	3
REC 263	2
Elective	1
UWR	
TOTAL	16

Second Semester

REC 309	3
REC 406	3
REC 460	3
PSY 202	3
REC 530	3
PSY 308	3
TOTAL	18

Senior Year

First Semester

REC 450	3
REC 401	3
Restricted Elective	3
HEA 202	2
Electives	6
TOTAL	17

Second Semester

REC 463	8
TOTAL	8

Suggested Curriculum Guide for Recreation and Park Administration/ Outdoor Recreation/Environmental Education Option (B.S.)

Freshman Year

First Semester

CHO 100	1
Gen. Ed (01)	3
Gen. Ed (09)	3
Gen. Ed. (19)	2
Gen. Ed. (07)	3
REC 163	1
Restricted Elective	3
REC 101	1
TOTAL	**17**

Second Semester

Gen. Ed (02)	3
Gen. Ed. (10)	3
Gen. Ed (17)	1
SPE 210	3
CIS 212 or CSC 104	3
REC 102	3
HEA 203	1
TOTAL	**17**

Sophomore Year

First Semester

Gen. Ed. (05)	3
Gen. Ed. (11)	3
Elective	3
Gen. Ed. (18)	1
PSY 202	3
REC 263	2
REC 311	3
TOTAL	**18**

Second Semester

Gen. Ed. (06)	3
Gen. Ed. (13)	3
Elective	3
Gen. Ed. (20)	2
PSY 280	3
REC 300	3
TOTAL	**17**

Junior Year

First Semester

Gen. Ed. (14)	3
Gen. Ed (21)	3
REC 460	3
HEA 202	2
Electives	6
UWR	
TOTAL	**17**

Second Semester

Gen. Ed (15)	3
REC 406	3
REC 350	3
REC 530	3
REC 309	3
GEO 302	3
TOTAL	**18**

Senior Year

First Semester

REC 450	3
REC 401	3
REC 516	3
PSY 308	3
Electives	4
TOTAL	**16**

Second Semester

REC 463	8
TOTAL	**8**

Suggested Curriculum Guide for Recreation and Park Administration/Therapeutic Recreation Option (B.S.)

Freshman Year

First Semester

CHO 100	1
Gen Ed (01)	3
Electives	5
Gen. Ed. (20)	2
Gen Ed (17)	1
Gen Ed (19)	2
SPE 210	3
TOTAL	**17**

Second Semester

Gen. Ed (02)	3
Gen. Ed. (09)	3
Gen. Ed. (14)	3
Gen. Ed. (18)	1
REC 101	1
CIS 212 or CSC 104	3
Elective	3
TOTAL	**17**

Sophomore Year

First Semester

Gen. Ed. (05)	3
Gen. Ed. (10)	3
Gen. Ed. (07)	3
BIO 171	3
REC 102	3
PSY 280	3
TOTAL	**18**

Second Semester

Gen. Ed. (06)	3
Gen. Ed (11)	3
Elective	3
AHN 105	1
HEA 202	2
REC 163	1
REC 311	3
TOTAL	**16**

Junior Year

First Semester

Gen. Ed (08, 12, or 16)	3
REC 263	2
REC 300	3
REC 460	3
REC 411	3
PSY 202	3
HEA 203	1
UWR	
TOTAL	**18**

Second Semester

Elective	3
REC 309	3
REC 511	3
BIO 301	3
Gen. Ed. (21)	3
Restricted Elective	3
TOTAL	**18**

Senior Year

First Semester

REC 450	3
REC 350	3
PSY 308	3
REC 512	3
Electives	4
TOTAL	**16**

Second Semester

REC 463	8
TOTAL	**8**

College of Law Enforcement

Dr. Gary Cordner, Dean
(606) 622-3565

DEPARTMENT / AREA	CONTACT PERSON	PHONE
Correctional and Juvenile Justice Studies	Dr. Charles Fields, Chair	(606) 622-1155
Loss Prevention and Safety	Dr. Larry Collins, Chair	(606) 622-1009
Assets Protection	Mr. James McClanahan, Coordinator	(606) 622-2381
Emergency Medical Care	Mr. Sandy Hunter, Coordinator	(606) 622-1028
Fire and Safety Engineering Technology	Dr. Tom Schneid, Coordinator	(606) 622-1054
Insurance and Risk Management Program	Dr. Peter Kensicki, Coordinator	(606) 622-1579
Traffic Safety Institute	Mr. Raymond Ochs, Coordinator	(606) 622-2236
Loss Prevention and Safety Graduate Program	Mr. Norman Spain, Coordinator	(606) 622-1141
Police Studies	TBA, Chair	(606) 622-2906

The College of Law Enforcement at Eastern Kentucky University is one of the largest of its type in the United States and is one of the nine colleges that comprise the academic structure of the University. Within the College are the Departments of Correctional and Juvenile Justice Studies, Loss Prevention and Safety, and Police Studies. The College of Law Enforcement exists in response to a changing, dynamic society which demands qualified professional, well educated personnel. The College endeavors to meet this demand within the threefold purpose of the University—teaching, research, and service.

Certificate, associate, baccalaureate, and master's degree programs are offered by the College of Law Enforcement.

The College is committed to a career ladder concept by providing opportunities for students enrolled in or completing associate (two-year) degree programs to transfer to a corresponding baccalaureate (four-year) program within the same department with little or no loss of credit.

All departments in the College are housed in the Stratton Building, an outstanding and unique facility which is part of the Robert R. Martin Law Enforcement, Fire Science, and Traffic Safety Center. The building includes a 354-seat auditorium, two physical conditioning areas, a cafeteria, the Law Enforcement Library with over 23,457 holdings, and a training tank for underwater rescue and recovery training. The Center also features a seven-acre driving range and a 5.7 acre lake for aquatic safety, underwater rescue, and salvage training.

Admission to the College

Students seeking admission to the College of Law Enforcement must meet general University requirements and should indicate their intention to major in a program of the College.

After being admitted to the College, a student will be assigned a faculty advisor who will assist in selecting the proper courses leading to the desired degree.

Degree Requirements

General University requirements begin in Part Three of this *Catalog*, as well as specific course requirements set forth in the description of curricula, and must be met by students completing associate and baccalaureate programs administered by the College of Law Enforcement. See the program descriptions under each department for specific major and minor requirements. Common to all programs is the Academic Orientation (LEO 100) course of the College of Law Enforcement.

Department of Loss Prevention and Safety Emergency Medical Care Program

Admission Procedure

Students who have been admitted to the University and College of Law Enforcement and declare a major in emergency medical care are admitted to the pre-emergency medical care program. Admission to the pre-emergency medical care program does not guarantee admission to the advanced emergency medical care (paramedic) sequence.

Admission Requirements: Emergency Medical Care (Associate of Science, A.S.)

Pre-emergency medical care students are accepted each semester. Students are selected for admission into the advanced emergency medical care program once a year in the following fall semester. Selection is in priority order on the basis of highest cumulative grade point average, entrance test score, and the criteria listed below. Due to limited enrollment, students are advised to apply as early as possible.

Advanced Emergency Medical Care (PARAMEDIC) Additional Requirements

1. Students must have a minimum grade of "C" in all emergency medical care courses, BIO 171, and BIO 301.
2. Students must have a minimum cumulative grade point average of 2.0 on a 4.0 scale.

Student Liability Insurance

Students must purchase and maintain the college student liability insurance prior to enrollment in EMC 110, 115, 270, 275, 280, 342, 352, 360 and 362.

Admission Requirements: Emergency Medical Care (Degree -- Completion)

Degree--completion (D-C) students are accepted each semester. Applicants for admission must be currently certified as a Paramedic in Kentucky. Paramedic certification must be maintained throughout this D-C program. Students will receive 18 hours of EMC program credit hours upon completion of EMC 380 and EMC 382. Credit may be earned through credit by examination (see Credit by Examination in this manual) for the following courses: AHN 200, EMC 110, EMC 225 and EMC 240 (for a total of 15 hours).

Advanced Emergency Medical Care -- Degree Completion (PARAMEDIC) Additional Requirements

1. Students must have a minimum grade of "C" in all emergency medical care courses, BIO 171, and BIO 301.
2. Students must have a minimum cumulative grade point average of 2.0 on a 4.0 scale.

Extended Programs

The College conducts extended campus classes throughout the central Kentucky area, including Fort Knox, Louisville, and Bowling Green. Such offerings make programs available to various agencies and military personnel.

Certificates

Advanced Emergency Medical Care, Certificate
Department of Loss Prevention and Safety

Major Requirements ..... 22 hours
EMC 130, 270, 275, 280, and 310.
Total Curriculum Requirements ..... 22 hours

Basic Emergency Medical Technician Certification
Department of Loss Prevention and Safety

Meets the Kentucky Cabinet for Human Resources certification requirement: EMC 110. Corequisite: EMC 104.
Total Curriculum Requirements ..... 6 hours

Fire and Safety Engineering Technology Certification of Competency
Department of Loss Prevention and Safety
CIP Code: 43.0201

The courses required to complete the certificate of competency in Fire and Safety Engineering Technology include: FSE 101, 120, 201, 221, 223, 225, 320, 322, 350, 360 or 489.
Total Curriculum Requirements ..... 31-32 hours

Youth Work Certification Program
Department of Correctional and Juvenile Justice Studies

Designed for both departmental majors as well as in-service workers, this program offers the student certification in Youth Work Practice. The program gives the student an opportunity to earn undergraduate credits in a blended theory and application curriculum which will provide the fundamental skills and knowledge to enter the youth work profession. The 31 hour Program consists of the following courses:

LEO 100:	Academic Orientation (1)
COR 311:	The Juvenile Justice System (3)
COR 316	Legal and Ethical Issues in Juvenile Justice (3)
COR 320:	Youth Work Practice* (3)
COR 321:	Juvenile Corrections (3)
CRJ 331:	Perspectives on Crime and Delinquency (3)
COR 375:	Applied Skills Practicum (3)
COR 106:	Workshop (3) or One elective course selected in consultation with advisor.

For additional information, application procedures and requirements, contact Chair of the Department of Correctional and Juvenile Justice Studies.

*Will be taken for a total of 12 hours under different topics.

(Program pending CPE approval.)

Endorsement

Driver Education Endorsement
Department of Loss Prevention and Safety

The requirements for a driver education endorsement for any teaching major are: TRS 285, 386, 487, and 588.

Minors

Minor in Assets Protection
Department of Loss Prevention and Safety

A student may minor in Assets Protection by completing a minimum of 21 semester hours as follows: APS 110, 210, 225, 333, 395, 435, and three hours of upper division APS electives. A grade of "C" or higher must be earned in each APS course for credits towards the minor.

Minor in Correctional and Juvenile Justice Studies
Department of Correctional and Juvenile Justice Studies

A student may minor in Correctional and Juvenile Justice Studies by completing CRJ 101, 311, COR 201, 301 or 321, 315 or 316, and 330.

Minor in Emergency Medical Care
Department of Loss Prevention and Safety

Completing the minor requires a minimum grade of "C" in EMC 104, 110, 115, 200, and nine hours AHN or EMC course work pre-approved by the EMC Admission and Progression Committee.

Minor in Fire and Safety Engineering Technology
Department of Loss Prevention and Safety

The courses required to complete a minor in Fire and Safety Engineering Technology include: FSE 120, FSE 225 or 362, and 12 hours of FSE electives. Nine hours must be upper division.

Minor in Insurance and Risk Management
Department of Loss Prevention and Safety

Designed for the non insurance and risk management major, the minor consists of 21 hours including three hours of a required accounting course, nine hours of required Insurance courses, three hours of required Assets Protection courses and six hours of Insurance electives. The accounting course may be taken concurrently with INS 370, however, the accounting course must be successfully completed before enrolling in any other required or elective courses.

Students seeking a minor in Insurance and Risk Management must earn at least 12 of the 21 hours used for the minor in residence at EKU and must maintain a cumulative GPA of 2.0 in all courses comprising the minor.

Minor in Police Administration
Department of Police Studies

A student may minor in police administration by completing a minimum of 18 semester hours of the following courses: CRJ 101, PAD 103, PAD 216, and nine hours of upper division CRJ or PAD electives. A grade of "C" or higher must be earned in each CRJ or PAD course for credit toward a PAD minor. At least six hours of the minor must be earned at Eastern Kentucky University.

Minor in Social Justice
Department of Police Studies

A student may minor in social justice by completing CRJ 101; CRJ 345; POL 345 or SOC 400; CRJ 325, PAD 390 or CRJ 401; CRJ 406; SOC 235 or POL 464; and SOC 313 or 375. (Students majoring in police administration may not minor in social justice.)

Minor in Traffic Safety (Non-Teaching)
Department of Loss Prevention and Safety

A student may minor in traffic safety by completing 18 hours from the following courses: TRS 103, 233, 322, 413; plus seven additional hours selected from TRS 100, 234, 332, 342, 349, 407, 491.

Associate Degrees

Correctional and Juvenile Justice Studies (A.A.)
Department of Correctional and Juvenile Justice Studies
CIP Code: 43.0102

Major Requirements ..... 21 hours
CRJ 101, 311, 388, COR 201, 301, or 321, 315 or 316, and 330.

Supporting Course Requirements ..... 43 hours
LEO 100, PSY 202, nine hours of COR electives, six hours of English composition*, six hours general education humanities*, six hours general education social science*, six hours general education natural science*, HPR 180*, 282*, and four hours restricted electives.

Total Curriculum Requirements ..... 64 hours

NOTE: A maximum of three hours total may be selected from COR 349, 423 or 460.

Suggested Curriculum Guides begin on page 192.

Emergency Medical Care (A.S.)
Department of Loss Prevention and Safety
CIP Code: 51.0904

Major Requirements ..... 40 hours
EMC 104, 110, 115, 200, 205, 212, 215, 225, 310, 315, 320, 335, 340, 342, 352, 360, and 362.

Supporting Course Requirements ..... 3 hours
EMC 240.

General Education Requirements ..... 22 hours
ANO 100, BIO 171*, 301*, three hours general education humanities*, three hours general education social science*, three hours of restricted electives*, and six hours of English composition*.

Total Curriculum Requirements ..... 65 hours

Suggested Curriculum Guides begin on page 192.

Fire and Safety Engineering Technology (A.A.)
Department of Loss Prevention and Safety
CIP Code: 43.0201

Major Requirements ..... 30 hours
FSE 101, 120, 201, 221, 223, 225, and 12 hours of FSE electives with advisor approval.

Supporting Course Requirements ..... 22 hours
LEO 100, six hours of English composition*, three hours general education humanities*, three hours general education social science*, three hours general education natural science*, HPR 180*, 282*, and four hours restricted electives.

Free Electives ..... **12 hours**
Total Curriculum Requirements ..... **64 hours**

Suggested Curriculum Guides begin on page 192.

POLICE ADMINISTRATION (A.A.)
Department of Police Studies
CIP Code: 43.0107

Major Requirements ..... **18 hours**
CRJ 101*, PAD 103, PAD 216, PAD 416, and six hours of CRJ or PAD electives.
Supporting Course Requirements ..... **40 hours**
LEO 100; three hours each of PSY, POL, and SOC beyond the general education requirements; six hours of English composition*, six hours in general education humanities* (from 05, 06, 07), six hours of social science* (from 09, 10, 11), and six hours of natural science* (from 13 and 14), HPR 180*, 282*, and four hours restricted electives.
Free Electives ..... **6 hours**
Total Curriculum Requirements ..... **64 hours**

*Must be successfully completed prior to enrolling in other CRJ or PAD courses

Suggested Curriculum Guides begin on page 192.

Baccalaureate Degrees

ASSETS PROTECTION (B.S.)
Department of Loss Prevention and Safety
CIP Code: 43.0109

Major Requirements ..... **51-54 hours**
Core ..... **33 hours**
APS 110, 210, 225, 320, 333, 395, 435**, 465, 495, three hours upper division APS electives, plus an advisor approved option with supporting course work.
Options ..... **18-21 hours**
Assets Protection Investigations ..... **18 hours**
APS 350, 351, 352, FSE 250, TRS 332, and 342.
Assets Protection Management ..... **21 hours**
ACC 201, ACS 300, ECO 230, INS 378, and nine hours from ACC 202, CIS 212, GBU 204, MGT 300, or MKT 300.
Assets Protection Studies ..... **18 hours**
Advisor approved supporting minor.
Computer and Information Security ..... **21 hours**
CIS 230, 250, 375, 380, 435, and six hours upper division CIS courses.
Loss Prevention and Control ..... **19-20 hours**
CHE 101 or 111, MAT 107, PHY 101 or BIO 141, FSE 120, 225 or 362, and 361.
Supporting Course Requirements ..... **18-21 hours**
Assets Protection Investigations ..... **18 hours**
ACC 201, ACS 300, APS 438, FSE 361, INS 378, and ACC 202 or advisor approved statistics course.
Assets Protection Management ..... **18 hours**
APS 438, CIS 230, MAT 107, SPE 300; FSE 361, and ECO 220 or advisor approved statistics course.
Assets Protection Studies ..... **21 hours**
ACC 201, ACS 300, CIS 230; FSE 361; INS 378, SPE 300, and STA 270 or advisor approved statistics class.
Computer and Information Security ..... **18 hours**
ACS 300, APS 438, INS 378; MAT 107 or ACC 201; SPE 300, and STA 270 or advisor approved statistics course.
Loss Prevention and Control ..... **18 hours**
EHS 280, EHS 340, INS 378, and nine hours of FSE electives. Six hours must be upper division.
General Education Requirements ..... **48-51 hours**
Standard General Education program, excluding course category 21 for APM and CIS. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
LEO 100 and three hours of restricted electives.
Free Electives ..... **3-4 hours**
Total Curriculum Requirements ..... **128-129 hours**

**Six hours must be earned in APS 435.

NOTE: Sufficient upper division hours to satisfy University requirements may not be listed for each option. Students may need to select courses in General Education and free electives to satisfy upper division hours.

Suggested Curriculum Guides begin on page 192.

CORRECTIONAL AND JUVENILE JUSTICE STUDIES (B.S.)
Department of Correctional and Juvenile Justice Studies
CIP Code: 43.0102

Major Requirements ..... **45 hours**
CRJ 101, 311, 331, 388, 400, COR 201, 301 or 321, 315 or 316, 330, 490 and fifteen hours of Correctional and Juvenile Justice Studies electives.
Supporting Course Requirements ..... **9 hours**
Nine hours selected from at least two of the following programs in consultation with major advisor; observe prerequisites: Criminal Justice, Government, Police Studies, Psychology, or Sociology.
General Education Requirements ..... **51 hours**
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... **4 hours**
LEO 100 and three hours of restricted electives.
Free Electives or Minor ..... **19 hours**
May choose additional correctional services courses, other elective courses, or a minor area of study.
Total Curriculum Requirements ..... **128 hours**

Suggested Curriculum Guides begin on page 192.

FIRE AND SAFETY ENGINEERING TECHNOLOGY (B.S.)
Department of Loss Prevention and Safety
CIP Code: B43.0201

Major Requirements ..... **42-51 hours**
Core Requirements ..... **24 hours**
FSE 101, 120, 200, 221, 305, 320, 361, three hours approved (from 349, 489, or 499).
Options
Fire Protection Engineering Technology ..... **18 hours**
FSE 201, 225, 322, 360, 366, 410.

Fire Protection Administration ..... 26 hours
FSE 201, 223, 225, 250, 350(4), 360, 400, 450(4).
Fire, Arson, and Explosion Investigation ..... 22 hours
FSE 223, 225, 250, 350[4], 450[4], 495, 499[2]
Industrial Safety and Risk Management ..... 21 hours
FSE 322, 360, 362, 366, 367, 410, 412.
Occupational Safety & Health Engineering Tech ..... 21 hours
FSE 322, 360, 362, 366, 367, 410, 412.

Supporting Course Requirements ..... 26-38 hours
Fire Protection Engineering Technology ..... 37-38 hours
CHE 101 or 111; CHE 102 or 112; EHS 340, MAT 115, MAT 124, MAT 224, PHY 201, PHY 202, PHY 375, TEC 190 or ENG 300.
Fire Protection Administration ..... 26-27 hours
POL 377, or ACC 550, CHE 101 or 111, CHE 102 or 112, ENG 300, POL 376, PSY 202, TRS 233, VIT 364 or TTE 361.
Fire, Arson, and Explosion Investigation ..... 31-32 hours
CHE 101[4] or 111[4], CHE 102[4] or 112[5], ENG 300, FOR 301, PAD 216, 316, 375, 416, 426; JOU 325 or TEC 315 or TEC 313.
Industrial Safety and Risk Management ..... 26-27 hours
APS 110; APS 210; CHE 101 or 111; CHE 102 or 112; EHS 340, 440 or 345, ENG 300, INS 370, 372, or 378, TRS 332.
Occupational Safety and Health Engineering Technology ..... 32 hours
EHS 340, 440, PSY 202, MAT 115, MAT 124, PHY 201, PHY 202, CHE 101 or 111, CHE 102.

General Education Requirements ..... 42 hours
Standard General Education program, excluding course categories 14, 15, and 16. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 4 hours
LEO 100 and three hours of restricted electives.
Free Electives ..... 0-8 hours
Total Curriculum Requirements ..... 128-130 hours

NOTE: The Fire Protection Engineering Technology, Fire Protection Administration, and Occupational Safety and Health Engineering Technology options do not contain a sufficient number of upper division hours to satisfy university requirements. Students should select courses in general education requirements to satisfy upper division hours.

Suggested Curriculum Guides begin on page 192.

INSURANCE AND RISK MANAGEMENT (B.S.)
Department of Loss Prevention and Safety
CIP Code: 52.0805

Major Requirements ..... 48 hours
Core Requirements 27hours
ACC 201, 202, GBU 204, MGT 300, MKT 300, ACS 201, INS 370, 372, 374.
Options
Insurance ..... 21 hours
INS 378, 400, 486 or 488 or 474, APS 110, and nine additional hours may be taken from the following: INS 349--up to a maximum of six hours, INS 376, INS 380, INS 382, INS 384, INS 400--up to a maximum of six hours total, INS 490--up to a maximum of six hours; APS 350, APS 351, APS 352, APS 438, APS 465, FSE 221, FSE 322, FSE 350, FSE 361, FSE 366, TRS 332, TRS 342; or a maximum of three hours from the following five courses: HCA 370, GBU 310, GBU 311, MGT 330 or MKT 310.
Financial Planning ..... 21 hours
INS 376, INS 380, INS 474, INS 349 (6 hours), RST 310, FIN 324.

Supporting Courses ..... 15 hours
MAT 107, ECO 230, CIS 212, FIN 300, QMB 200.
General Education Requirements ..... 45 hours
Standard General Education program, excluding course category 03 and category 21. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 4 hours
LEO 100 and three hours of restricted electives.
Free Electives ..... 16 hours
Total Curriculum Requirements ..... 128 hours

NOTE: Sufficient upper division hours to satisfy University requirements are not listed. Students should select courses in General Education and free electives to satisfy upper division hours.

Suggested Curriculum Guides begin on page 192.

POLICE ADMINISTRATION (B.S.)
Department of Police Studies
CIP Code: 43.0107

Major Requirements ..... 42 hours
CRJ 101, PAD 103, PAD 215, PAD 216, PAD 315, CRJ 331, CRJ 388, CRJ 400, CRJ 406, PAD 416, and 12 hours CRJ or PAD electives.
Supporting Course Requirements ..... 9 hours
Three hours of Sociology, Government, and Psychology beyond general education requirements.
General Education Requirements ..... 51 hours
Standard General Education program. Refer to Part Three of this *Catalog* for details on the General Education and University requirements.
University Requirements ..... 4 hours
LEO 100 and three hours of restricted electives.
Free Electives ..... 22 hours
Total Curriculum Requirements ..... 128 hours

Suggested Curriculum Guides begin on page 192.

ASSOCIATE DEGREES

Suggested Curriculum Guide for Correctional and Juvenile Justice Studies (A.A.)

Freshman Year

First Semester

CRJ 101	3
COR 201	3
LEO 100	1
Gen. Ed. (17)	1
Gen. Ed. (18)	1
Gen. Ed. (01)	3
Gen. Ed. (05-08)	3
TOTAL	**15**

Second Semester

COR 301 or 321	3
COR Elective	3
PSY 202	3
Gen. Ed. (02)	3
Gen. Ed. (05-08)	3
TOTAL	**15**

Sophomore Year

First Semester

CRJ 388	3
CRJ 311	3
COR Elective	3
Restricted Elective	3
Gen. Ed. (09-11)	3
Gen. Ed. (13-15)	3
TOTAL	**18**

Second Semester

COR 315 or 316	3
COR 330	3
COR Elective	3
Gen. Ed. (09-11)	3
Gen. Ed. (13-15)	3
Restricted Elective	1
TOTAL	**16**

Suggested Curriculum Guide for Emergency Medical Care (A.S.)

Freshman Year

First Semester

ANO 100	1
BIO 171	3
EMC 110	5
EMC 212	1
Gen. Ed. (01)	3
EMC 104	1
TOTAL	**15**

Second Semester

AHN 240	3
BIO 301	3
EMC 115	2
EMC 200	2
EMC 225	3
Gen. Ed. (02)	3
TOTAL	**16**

Sophomore Year

First Semester

EMC 205	1
EMC 215	1
EMC 335	3
EMC 342	3
Restricted Electives	3
Gen. Ed. (09, 10, 11, or 12)	3
TOTAL	**14**

Second Semester

EMC 310	1
EMC 315	1
EMC 320	3
EMC 340	3
EMC 352	3
Gen. Ed. (05, 06, 07, or 08)	3
TOTAL	**14**

Internship

EMC 360	2
EMC 362	4
TOTAL	**6**

Suggested Curriculum Guide for Fire and Safety Engineering Technology (A.A.)

Freshman Year

First Semester

Gen. Ed. (01)	3
FSE 101	3
FSE 120	3
LEO 100	1
Gen. Ed. (05-07)	3
Gen. Ed. (09-11)	3
TOTAL	**16**

Second Semester

Gen. Ed. (02)	3
FSE 201	3
FSE 221	3
FSE 225	3
Gen. Ed. (13)	3
Gen. Ed. (17)	1
TOTAL	**16**

Sophomore Year

First Semester

Gen. Ed. (18)	1
FSE 223	3
FSE Electives	6
TOTAL	**16**

Second Semester

Free Electives	6
FSE Elective	6
Restricted Elective	4
TOTAL	**16**

Suggested Curriculum Guide for Police Administration (A.A.)

Freshman Year

First Semester

Gen. Ed. (01)	3
Gen. Ed. (17)	1
LEO 100	1
CRJ 101*	3
PAD 103	3
Restricted Elective	2
Gen. Ed. (05, 06, or 07)	3
TOTAL	**16**

Second Semester

Gen. Ed. (02)	3
Gen. Ed (18)	1
PAD 216	3
Supporting Course	3
Restricted Elective	2
Gen. Ed. (05, 06, or 07)	3
Free Elective	3
TOTAL	**18**

Sophomore Year

First Semester

Gen. Ed (09, 10, or 11)	3
PAD 416	3
Supporting Course Requirement	3
PAD Elective	3
Gen. Ed (13)	3
TOTAL	**15**

Second Semester

Supporting Course Requirement	3
Gen. Ed (09, 10, or 11)	3
PAD Elective	3
Free Elective	3
Gen. Ed (14)	3
TOTAL	**15**

*Must be successfully completed prior to enrolling in other CRJ or PAD courses

BACCALAUREATE DEGREES

Suggested Curriculum Guide for Assets Protection Program/Option in Assets Protection Investigations (B.S.)

Freshman Year

First Semester

Gen. Ed. (01)	3
Gen. Ed. (07)	3
Gen. Ed. (09)	3
Gen. Ed. (17)	1
Gen. Ed. (21)	3
FSE/LEO100	1
TOTAL	**14**

Second Semester

Gen. Ed. (02)	3
Gen Ed. (10)	3
Gen. Ed. (13)	3
Gen Ed (18)	1
Gen. Ed. (04, 08, 12, or 16)*	3
APS 110	3
TOTAL	**16**

Sophomore Year

First Semester

Gen. Ed. (03)	3
Gen Ed (05)	3
Gen. Ed (11)	3
Gen. Ed (14)	3
Gen. Ed. (19)	2
APS 210	3
TOTAL	**17**

Second Semester

Gen. Ed. (04, 08, 12, or 16)*	3
Gen. Ed (06)	3
Gen Ed (15)	3
APS 225	3
Free Elective	3
TOTAL	**15**

Junior Year

First Semester

APS 320	3
APS 395	3
APS 350	3
ACS 300	3
TRS 332	3
ACC 201	3
UWR	
TOTAL	**18**

Second Semester

APS 333	3
APS 435	3
APS 351	3
TRS 342	3
ACC 202	3
Gen. Ed (20)	2
TOTAL	**17**

Senior Year

First Semester

APS 352	3
APS 465	3
APS UD Elective	3
FSE 250	3
INS 378	3
TOTAL	**15**

Second Semester

APS 435	3
APS 438	3
APS 495	3
FSE 361	3
Restricted Elective	3
Free Elective	1
TOTAL	**16**

*Student must take courses from only two of the four areas listed

Suggested Curriculum Guide for Assets Protection Program/Option in Assets Protection Management (B.S.)

Freshman Year

First Semester

Gen. Ed. (01)	3
Gen. Ed (07)	3
Gen. Ed (09)	3
Gen. Ed (17)	1
Restricted Electives	3
FSE/LEO/TRS 100	1
TOTAL	**14**

Second Semester

Gen. Ed. (02)	3
Gen. Ed (10)	3
Gen. Ed (13)	3
Gen. Ed (18)	1
Gen. Ed (04, 08, 12, or 16)	3
APS 110	3
TOTAL	**16**

Sophomore Year

First Semester

Gen. Ed (03)	3
Gen. Ed (05)	3
Gen. Ed (11)	3
Gen. Ed (14)	3
Gen. Ed (19)	2
APS 210	3
TOTAL	**17**

Second Semester

Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed (06)	3
Gen. Ed (15)	3
APS 225	3
CIS 230	3
TOTAL	**15**

Junior Year

First Semester

APS 320	3
APS 395	3
BUS Option**	3
ACS 300	3
MAT 107	3
ACC 201	3
UWR	
TOTAL	**18**

Second Semester

APS 333	3
APS 435	3
ECO 230	3
SPE 300	3
ECO 220	3
Gen Ed (20)	2
TOTAL	**17**

Senior Year

First Semester

APS 465	3
APS UD Elective	3
BUS Option**	3
BUS Option**	3
INS 378	3
Free Elective	1
TOTAL	**16**

Second Semester

APS 435	3
APS 438	3
APS 495	3
FSE 361	3
Restricted Electives	3
TOTAL	**15**

*Student must take courses from only two of the four areas listed
**Student must select nine hours from ACC 202, CIS 212, GBU 204, MGT 300, or MKT 300

Suggested Curriculum Guide for Assets Protection Program/Option in Assets Protection Studies (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
Gen. Ed. (01)	3	Gen. Ed. (03)	3	APS 320	3	APS 465	3
Gen. Ed. (07)	3	Gen. Ed. (05)	3	APS 395	3	APS UD Elective	3
Gen. Ed. (09)	3	Gen. Ed. (11)	3	Minor	3	Minor	3
Gen. Ed. (17)	1	Gen. Ed. (14)	3	ACS 300	3	Minor	3
Gen. Ed. (21)	3	Gen. Ed. (19)	2	CIS 230	3	INS 378	3
FSE/LEO 100	1	APS 210	3	ACC 201	3	**TOTAL**	**15**
TOTAL	**14**	**TOTAL**	**17**	UWR		Second Semester	
Second Semester		Second Semester		**TOTAL**	**18**	APS 435	3
Gen. Ed. (02)	3	Gen. Ed. (04, 08, 12, or 16)	3	Second Semester		APS 495	3
Gen. Ed. (10)	3	Gen. Ed. (06)	3	APS 333	3	Minor	3
Gen. Ed. (13)	3	Gen. Ed. (15)	3	APS 435	3	FSE 361	3
Gen. Ed. (18)	1	APS 225	3	Minor	3	Restricted Electives	3
Gen. Ed. (04, 08, 12, or 16)	3	Minor	3	SPE 300	3	**TOTAL**	**15**
APS 110	3	Free Elective	1	Statistics	3		
TOTAL	**16-17**	**TOTAL**	**16**	Gen. Ed. (20)	2		
				TOTAL	**17**		

*Student must take courses from only two of the four areas listed.

Suggested Curriculum Guide for Assets Protection Program/Option in Computer and Information Security

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
Gen. Ed (01)	3	Gen. Ed (03)	3	APS 320	3	APS 465	3
Gen. Ed (07)	3	Gen. Ed (05)	3	APS 395	3	APS UD Elective	3
Gen. Ed (09)	3	Gen. Ed (11)	3	CIS 250	3	CIS 380	3
Gen. Ed (17)	1	Gen. Ed. (14)	3	ACS 300	3	CIS 435	3
Gen Ed (20)	2	Gen. Ed (19)	2	SPE 300	3	Statistics	3
FSE/LEO 100	1	APS 210	3	INS 378	3	**TOTAL**	**15**
TOTAL	**13**	**TOTAL**	**17**	UWR		Second Semester	
Second Semester		Second Semester		**TOTAL**	**18**	APS 435	3
Gen. Ed (02)	3	Gen Ed (04, 08, 12, or 16)	3	Second Semester		APS 438	3
Gen. Ed (10)	3	Gen Ed (06)	3	APS 225	3	APS 495	3
Gen Ed (13)	3	Gen. Ed. (15)	3	APS 333	3	CIS UD Elective	3
Gen. Ed (18)	1	CIS 230	3	APS 435	3	Restricted Elective	2
Gen. Ed. (04, 08, 12, or 16)	3	MAT 107	3	CIS 375	3	Free Elective	2
APS 110	3	**TOTAL**	**15**	CIS UD Elective	3	**TOTAL**	**16**
TOTAL	**16**			Restricted/Free Elective	3		
				TOTAL	**18**		

*Student must take courses from only two of the four areas listed

Suggested Curriculum Guide for Assets Protection Program/Option in Loss Prevention and Control

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
Gen Ed (01)	3	Gen Ed (03)	3	APS 320	3	APS 465	3
Gen Ed (07)	3	Gen Ed (05)	3	APS 395	3	APS UD Elective	3
Gen Ed (09)	3	Gen. Ed. (11)	3	CHE 101/111	4	FSE Elective	3
Gen. Ed (17)	1	Gen. Ed (14)	3	FSE 120	3	FSE UD Elective	3
Gen Ed (20)	2	Gen. Ed (19)	2	EHS 280	3	INS 378	3
FSE/LEO 100	1	APS 210	3	Statistics	3	**TOTAL**	**15**
TOTAL	**13**	**TOTAL**	**17**	UWR		Second Semester	
Second Semester		Second Semester		**TOTAL**	**19**	APS 435	3
Gen. Ed (02)	3	Gen. Ed (04, 08, 12, or 16)	3	Second Semester		APS 495	3
Gen Ed (10)	3	Gen. Ed (06)	3	APS 333	3	FSE UD Elective	3
Gen. Ed (13)	3	Gen. Ed (15)	3	APS 435	3	FSE 361	3
Gen Ed (18)	1	APS 225	3	PHY 101/BIO 141	3-4	Restricted Elective	3
Gen Ed (04, 08, 12, or 16)	3	MAT 107	3	FSE 225/362	3	**TOTAL**	**15**
APS 110	3	**TOTAL**	**15**	EHS 340	3		
TOTAL	**16**			Restricted/Free Elective	3		
				TOTAL	**18-19**		

*Student must take courses from only two of the four areas listed.

Suggested Curriculum Guide for Department of Correctional and Juvenile Justice Studies (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
CRJ 101	3	CRJ 331	3	COR 315 or 316	3	COR Elective	3
COR 201	3	CRJ 311	3	COR 330	3	COR Elective	3
LEO 100	1	Support Course	3	Gen. Ed (11)	3	Free Elective	9
Gen. Ed (01)	3	Gen. Ed (06)	3	Gen. Ed (13)	3	TOTAL	15
Gen. Ed. (07)	3	Gen. Ed. (04, 08,12 or 16)	3	Gen. Ed. (20)	2	Second Semester	
Gen. Ed. (17)	1	Gen. Ed. (19)	2	Gen. Ed. (04, 08, 12 or 16)	3	COR 490	3
TOTAL	14	TOTAL	17	UWR		COR Elective	3
Second Semester		Second Semester		TOTAL	17	Free Elective	10
COR 301 or 321	3	CRJ 388	3	Second Semester		TOTAL	16
Gen. Ed. (02)	3	COR Elective	3	CRJ Elective	3		
Support Course	3	Gen. Ed. (05)	3	CRJ 400	3		
Gen. Ed. (03)	3	Gen. Ed (10)	3	Gen. Ed. (14)	3		
Gen. Ed. (09)	3	Gen. Ed. (15)	3	Restricted Elective	3		
Gen. Ed. (18)	1	Gen. Ed (21)	3	Support Course	3		
TOTAL	16	TOTAL	18	TOTAL	15		

Suggested Curriculum Guide for Fire and Safety Engineering Technology/Fire, Arson, and Explosion Investigation Option (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
Gen. Ed (01)	3	Gen Ed (05)	3	Gen. Ed (09)	3	Gen Ed (11)	3
LEO 100	1	Gen Ed (19)	2	Gen Ed (13)	3	Gen Ed (04, 08, 12 or 16)	3
FSE 101	3	Gen Ed (18)	1	FSE 350	4	PAD 216	3
FSE 120	3	FSE 250	3	FSE 499	2	Elective	3
FSE 223	3	CHE 102	4	PAD 375	3	FSE 495	3
Gen. Ed. (07)	3	FSE 361	3	FOR 301	3	TOTAL	15
TOTAL	16	TOTAL	17	UWR		Second Semester	
Second Semester		Second Semester		TOTAL	16	Free Electives	3
Gen. Ed. (02)	3	Gen Ed (06)	3	Second Semester		PAD 316	3
Gen. Ed (03)	3	Gen Ed. (20)	2	Gen. Ed (10)	3	PAD 416	3
FSE 200	3	FSE 225	3	FSE 349	3	Restricted Electives	3
FSE 221	3	FSE 305	3	FSE 450	4	PAD 426	3
CHE 101	4	FSE 320	3	JOU 325 or TEC 315 or TE 313	3	TOTAL	15
Gen. Ed (17)	1	ENG 300	3	Gen. Ed (21)	3		
TOTAL	17	TOTAL	17	TOTAL	16		

Suggested Curriculum Guide for Fire and Safety Engineering Technology/Fire Protection Administration Option (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
Gen. Ed (01)	3	Gen. Ed (03)	3	Gen. Ed (07)	3	Gen. Ed (04, 08, or 12)	3
LEO 100	1	Gen. Ed (05)	3	Gen. Ed (10)	3	FSE 350	3
Gen. Ed (19)	2	FSE 223	3	FSE 349	2	TRS 233	3
FSE 101	3	FSE 250	3	FSE 361	3	Restricted Elective	3
FSE 120	3	POL 377 or ACC 550	3	ENG 300	3	Gen. Ed (21)	3
CHE 101	4	TOTAL	15	POL 376	3	TOTAL	15
TOTAL	16	Second Semester		UWR		Second Semester	
Second Semester		Gen. Ed (06)	3	TOTAL	17	Free Electives	3
Gen. Ed. (02)	3	Gen. Ed (09)	3	Second Semester		FSE 400	3
Gen. Ed. (17)	1	FSE 221	3	Gen. Ed (11)	3	FSE 450	3
Gen. Ed. (18)	3	FSE 225	3	Gen. Ed. (13)	3	PSY 202	3
FSE 200	3	FSE 305	3	FSE 320	3	VIT 364 or TTE 361	3
FSE 201	3	TOTAL	15	FSE 349	1	Gen. Ed (20)	2
CHE 102	4			FSE 360	3	TOTAL	17
TOTAL	17			PSY 202	3		
				TOTAL	16		

Suggested Curriculum Guide for Fire and Safety Engineering Technology/ Fire Protection Engineering Technology Option (B.S.)

Freshman Year

First Semester

Gen. Ed. (01)	3
FSE 101	3
Gen. Ed. (17)	1
FSE 120	3
LEO 100	1
MAT 115	1
CHE 111	4
TOTAL	**16**

Second Semester

Gen. Ed. (02)	3
FSE 200	3
Gen. Ed. (19)	2
FSE 221	3
Gen. Ed (18)	1
CHE 112	5
TOTAL	**17**

Sophomore Year

First Semester

Gen. Ed. (03)	3
Gen. Ed. (05)	3
FSE 322	3
EHS 340	3
Restricted Elective	4
TOTAL	**16**

Second Semester

Gen. Ed. (06)	3
FSE 201	3
FSE 225	3
ENG 300 or TEC 190	3
MAT 124	4
TOTAL	**16**

Junior Year

First Semester

Gen. Ed (07)	3
Gen. Ed. (09)	3
FSE 410	3
MAT 224	5
Restricted Elective	3
UWR	
TOTAL	**17**

Second Semester

Gen. Ed. (04, 08, or 12)	3
FSE 305	3
FSE 320	3
FSE 360	3
PHY 201	5
TOTAL	**17**

Senior Year

First Semester

Gen. Ed. (10)	3
FSE 361	3
FSE 349	3
PHY 202	5
Gen. Ed. (20)	3
TOTAL	**17**

Second Semester

Gen. Ed (11)	3
Gen. Ed. (13)	3
FSE 366	3
FSE 490	3
PHY 375	3
TOTAL	**15**

Suggested Curriculum Guide for Fire and Safety Engineering Technology/ Industrial Safety and Risk Management Option (B.S.)

Freshman Year

First Semester

Gen. Ed (01)	3
FSE 101	3
LEO 100	1
FSE 120	3
Gen. Ed (07)	3
APS 110	3
TOTAL	**16**

Second Semester

Gen. Ed (02)	3
Gen. Ed (17)	1
Gen. Ed (03)	3
FSE 200	3
APS 210	3
CHE 101	4
TOTAL	**17**

Sophomore Year

First Semester

Gen. Ed (19)	2
Gen. Ed (18)	1
Gen. Ed (05)	3
Gen. Ed (09)	3
CHE 102	4
APS 210	3
TOTAL	**16**

Second Semester

Gen. Ed (06)	3
FSE 221	3
FSE 305	3
FSE 360	3
EHS 345	3
TOTAL	**15**

Junior Year

First Semester

Gen. Ed. (10)	3
FSE 322	3
FSE 361	3
ENG 300	3
INS 370/372/378	3
Gen. Ed. (21)	3
UWR	
TOTAL	**18**

Second Semester

Gen. Ed. (11)	3
FSE 320	3
FSE 349	3
FSE 366	3
TRS 332	3
Restricted Elective	4
TOTAL	**19**

Senior Year

First Semester

Gen. Ed. (13)	3
Gen. Ed (04, 08, or 12)	3
FSE 362	3
FSE 367	3
FSE 410	3
TOTAL	**15**

Second Semester

Free Electives	5
FSE 490	3
FSE 412	3
Gen. Ed (20)	2
TOTAL	**13**

Suggested Curriculum Guide for Fire and Safety Engineering Technology/ Occupational Safety and Health Engineering Technology Option (B.S.)

Freshman Year

First Semester

Gen. Ed. (01)	3
FSE 101	3
LEO 100	1
FSE 120	3
Gen. Ed (17)	1
MAT 115	1
CHE 101	4
TOTAL	**16**

Second Semester

Gen. Ed. (02)	3
FSE 200	3
Gen. Ed. (19)	2
FSE 221	3
Gen. Ed. (18)	1
CHE 102	4
TOTAL	**16**

Sophomore Year

First Semester

Gen. Ed. (03)	3
Gen. Ed. (05)	3
FSE 322	3
PHY 201	5
PSY 202	3
TOTAL	**17**

Second Semester

Gen. Ed. (06)	3
FSE 305	3
FSE 320	3
FSE 360	3
PHY 202	5
TOTAL	**17**

Junior Year

First Semester

Gen. Ed (09)	3
Gen. Ed. (13)	3
FSE 362	3
FSE 367	3
MAT 124	4
UWR	
TOTAL	**16**

Second Semester

Gen. Ed (07)	3
Gen. Ed. (10)	3
FSE 349	3
FSE 366	3
EHS 340	3
TOTAL	**15**

Senior Year

First Semester

Gen. Ed (11)	3
Free Electives	3
FSE 410	3
EHS 440	3
Restricted Electives	3
TOTAL	**15**

Second Semester

Gen. Ed. (04, 08, or 12)	3
Free Electives	3
FSE 412	3
FSE 490	3
Restricted Electives	2
Gen. Ed. (20)	3
TOTAL	**17**

Suggested Curriculum Guide for Insurance and Risk Management (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
LEN 100	1	ACC 201	3	CIS 212	3	INS 378	3
Gen. Ed. (01)	3	ECO 230	3	ACS 201	3	INS Elective	3
Gen. Ed. (17)	1	Gen. Ed (05)	3	FIN 300	3	Free Elective*	6
MAT 107	3	Gen. Ed (10 or 11)	3	INS 374	3	Gen. Ed (20)	2-3
Gen. Ed. (09)	3	Gen. Ed (15)	3	Gen. Ed (07)	3	Gen. Ed. (04, 08, 12 or 16)	3
Gen. Ed. (13 or 14)	3	TOTAL	15	Restricted Elective	2	TOTAL	17-18
Restricted Elective	2	Second Semester		UWR		Second Semester	
TOTAL	16	ACC 202	3	TOTAL	17	INS 486, 488, 474	3
Second Semester		GBU 204	3	Second Semester		INS 400	3
Gen. Ed (02)	3	APS 110	3	INS 372	3	INS Elective	3
Gen. Ed. (18)	1	INS 370	3	MGT 300	3	Free Elective	3-4
ECO 220	3	Restricted Elective	2	MKT 300	3	Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed (19)	2	Gen. Ed (06)	3	INS Elective	3	TOTAL	15-16
Gen. Ed. (13 or 14)	3	TOTAL	17	Free Elective	3		
Gen. Ed. (10 or 11)	3			TOTAL	15		
TOTAL	15						

*7-10 hours of free electives must be selected from 300-level or above courses. Choose wisely!

Suggested Curriculum Guide for Insurance and Risk Management - Financial Planning Option (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
LEN 100	1	ACC 201	3	CIS 212	3	INS 380	3
Gen. Ed (01)	3	ECO 230	3	ACS 201	3	INS 349	3
Gen. Ed. (17)	1	Gen. Ed (05)	3	FIN 300	3	Free Elective*	3
MAT 107	3	Gen. Ed (10 or 11)	3	INS 374	3	Gen. Ed (20)	2-3
Gen. Ed. (09)	3	Gen. Ed. (15)	3	Gen. Ed (07)	3	Gen. Ed (04, 08, 12 or 16)	3
Gen. Ed. (13 or 14)	3	TOTAL	15	Restricted Elective	2	RST 310	3
Restricted Elective	2	Second Semester		UWR		TOTAL	17-18
TOTAL	16	ACC 202	3	TOTAL	17	Second Semester	
Second Semester		GBU 204	3	Second Semester		INS 474	3
Gen. Ed. (02)	3	Free Elective*	3	INS 372	3	INS 349	3
Gen. Ed. (18)	1	INS 370	3	MGT 300	3	Free Elective*	6-7
QMB 200	3	Restricted Elective	2	MKT 300	3	Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed. (19)	2	Gen. Ed. (06)	3	INS 376	3	TOTAL	15-16
Gen. Ed. (13 or 14)	3	TOTAL	17	FIN 324	3		
Gen. Ed. (10 or 11)	3			TOTAL	15		
TOTAL	15						

*7-10 hours of free electives must be selected from 300-level or above courses. Choose wisely!

Suggested Curriculum Guide for Insurance and Risk Management - Insurance and Risk Management Option (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		First Semester		First Semester		First Semester	
LEN 100	1	ACC 201	3	CIS 212	3	INS 378	3
Gen. Ed. (01)	3	ECO 230	3	ACS 201	3	Insurance Elective	3
Gen. Ed (17)	1	Gen. Ed (05)	3	FIN 300	3	Free Elective*	6
MAT 107	3	Gen. Ed (10 or 11)	3	INS 374	3	Gen. Ed (20)	2-3
Gen. Ed (09)	3	Gen. Ed (15)	3	Gen. Ed (07)	3	Gen. Ed. (04, 08, 12 or 16)	3
Gen. Ed (13 or 14)	3	TOTAL	15	Restricted Elective	2	TOTAL	17-18
Restricted Elective	2	Second Semester		UWR		Second Semester	
TOTAL	16	ACC 202	3	TOTAL	17	INS 486, 488, or 474	3
Second Semester		GBU 204	3	Second Semester		INS 400	3
Gen. Ed (02)	3	APS 110	3	INS 372	3	Insurance Elective	3
Gen. Ed. (18)	1	INS 370	3	MGT 300	3	Free Elective*	3-4
QMB 200	3	Restricted Elective	2	MKT 300	3	Gen. Ed (04, 08, 12, or 16)	3
Gen. Ed. (19)	2	Gen. Ed (06)	3	Insurance Elective	3	TOTAL	15-16
Gen. Ed (13 or 14)	3	TOTAL	17	Free Elective	3		
Gen. Ed (10 or 11)	3			TOTAL	15		
TOTAL	15						

*7-10 hours of free electives must be selected from 300-level or above courses. Choose wisely!

Suggested Curriculum Guide for Police Administration (B.S.)

Freshman Year		Sophomore Year		Junior Year		Senior Year	
First Semester		**First Semester**		**First Semester**		**First Semester**	
Gen. Ed. (01)	3	Gen. Ed. (14)	3	CRJ 388	3	Supporting Course Req	3
Gen. Ed. (07)	3	Free Elective	3	Gen. Ed. (04, 08, 12, or 16)	3	CRJ 400	3
Gen. Ed. (17)	1	Gen. Ed. (10)	3	PAD 315	3	Gen. Ed. (04, 08, 12, or 16)	3
CRJ 101	3	PAD 215	3	PAD Elective	3	Free Elective	3
Restricted Elective	2	Gen. Ed. (21)	3	Gen. Ed. (06)	3	PAD Elective	3
LEO 100	1	Gen. Ed. (19)	2	Free Elective	3	**TOTAL**	**15**
Gen. Ed. (09)	3	**TOTAL**	**17**	UWR		**Second Semester**	
TOTAL	**16**	**Second Semester**		**TOTAL**	**18**	CRJ 406	3
Second Semester		Gen. Ed. (05)	3	**Second Semester**		PAD 416	3
Gen. Ed. (02)	3	Supporting Course Req	3	Gen. Ed. (15)	3	Free Elective	3
Gen. Ed. (13)	3	Gen. Ed. (11)	3	Supporting Course Req.	3	Free Elective	3
Gen. Ed. (18)	1	Free Elective	3	CRJ 331	3	PAD Elective	3
PAD 103	3	Gen. Ed. (20)	2	PAD Elective	3	Free Elective	1
Restricted Elective	2	PAD 216	3	Free Elective	3	**TOTAL**	**15**
Gen. Ed. (03)	3	**TOTAL**	**17**	**TOTAL**	**15**		
TOTAL	**15**						

PART 5 Course Descriptions

ACC -- Accounting
Dr. Jessica Frazier, Interim Chair
319 Combs

201 Introduction to Financial Accounting. (3) I, II. Prerequisite: MAT 105 or above. A user's approach to understanding financial accounting and reporting, emphasizing how creditors, investors, and others use accounting information in decision making and why financial accounting information is important to these users

202 Introduction to Managerial Accounting. (3) I, II. Prerequisite ACC 201. A study of the objectives, preparation and uses of managerial accounting information primarily from a user perspective Emphasis on measurement, allocation, and reporting of costs to identify and solve business problems

222 Individual Income Taxes. (3) Non-accounting majors only. Introduces concepts, techniques, and practices necessary for the preparation of individual income tax forms for the State of Kentucky and the U. S. Government.

250 Financial Accounting Cycle. (1) I, II. Prerequisite: ACC 201. Financial accounting cycle identifying, measuring, recording, and processing business data within the financial accounting system using appropriate software package.

300 Managerial Accounting. (3) I, II. Prerequisite: ACC 202 with a grade of "C" or better. A study of the concepts and applications of contemporary management accounting techniques for both manufacturing and service organizations, including ABC, JIT, and TQM Cannot be taken for credit by accounting majors.

301 Principles of Accounting -Intermediate. (3) I, II. Prerequisites ACC 202 and 250 with a grade of "C" or better and proficiency in spreadsheet and word processing capability Financial statements, current assets, investments, current and long-term liabilities, acquisitions, use and retirement of plant and equipment.

302 Principles of Accounting -Intermediate. (3) I, II. Prerequisite ACC 301 with a grade of "C" or better. Capital stock, financial statement analysis, statement of cash flows, lease and pension accounting, accounting changes, and deferred taxes.

322 Tax I. (3) I, II. Prerequisite. ACC 202 and 250 with a grade of "C" or better Income tax legislation-Federal and State, returns for individuals, gross income, basis and determination of gain or loss; capital gains and losses; dividends, deductions; withholding.

327 Cost Accounting. (3) I, II. Prerequisite: ACC 202 and 250 with a grade of "C" or better. Cost flows and cost systems; the cost accounting cycle; basic cost determination systems and procedures, standard costing, budgeting and decision making applications

349 Cooperative Study in Accounting. (1-4) A. Prerequisites: minimum GPA of 2.25 and BBA majors only Co-curricular work experience under faculty and field supervisors in placements related to academic studies. Training plan required Normally one to four hours credit per semester or summer Minimum 80 hours work required for each academic credit

350 Accounting Information Systems. (3) I, II. Prerequisites ACC 202 and junior standing The conceptual foundations of accounting information systems, the technology, the systems management of accounting information systems

390 Internship In Accounting. (4) II. Prerequisites: "B" average and departmental approval. By invitation only.

425 Accounting Theory. (3) I, II. Prerequisite ACC 302 with a grade of "C" or better. Emphasis on a conceptual understanding of accounting principles using literature published by the AICPA, FASB, and current writers. Accounting history, SEC, legal liability, conceptual framework, SFAS's and APB's.

440 Legal Aspects of Accounting. (3) I, II. Formerly ACC 540. Prerequisites: strong accounting background and instructor approval. Law as it relates to the accounting profession. Cases used from previous examinations given by the AICPA Emphasis on short cuts and suggestions for timesaving on the examination.

441 Auditing I. (3) I, II. Prerequisites: ACC 302, 350, and QMB 200 with grades of "C" or better. Professional ethics; accountant's legal responsibility; internal control; general arrangement and procedure of an audit; asset accounts; liability accounts; operating accounts; the audit report.

442 Auditing II. (3) II. Prerequisite: ACC 441 with a grade of "C" or better. Application to accounting and auditing of internal control, statistical sampling, computer techniques, and audit reports.

490 Special Problems In Accounting. (1-6). A. May be retaken under different sub-topics to a cumulative maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

501 Advanced Accounting. (3) I, II. Formerly ACC 401. Prerequisite: ACC 302 with a grade of "C" or better. Corporate combinations including consolidated balance sheets and income statements and special problems with consolidations. International topics: standards, foreign exchange transactions and translation of financial statements of foreign subsidiaries. Partnerships.

521 Fund Accounting. (3) I. Prerequisite: ACC 202 and 250 with a grade of "C" or better. Advanced study in accounting and fiscal procedures for institutions and federal, state, county, and municipal governments.

523 Taxation of Corporations. (3) I, II. Formerly ACC 323. Prerequisite: ACC 322 with a grade of "C" or better. Federal income tax report preparation with emphasis on partnership and corporate returns; estate and trusts; gift and estate taxes, special problems in preparation of tax returns.

527 Managerial Cost Accounting. (3) A. Prerequisite: ACC 327 with a grade of "C" or better. Advanced problems in cost, budget, distribution costs, measurements of departmental efficiency, and analysis of cost information for managerial decisions.

550 Accounting for Non-Profit Organization. (3) II. General theory of budget implementation, and reporting as well as internal control and other significant areas for not-for-profit organizations. Cannot be taken by students who have an undergraduate major in ACC.

ACS—Administrative Communication and Services
TBA, Interim Chair
215 Combs

101 Introduction to Business. (3) I, II. A survey of business organizations, the economic environment, business ownership, and the functions of business For pre-business and nonbusiness majors.

106 Beginning Keyboarding. (3) I, II. Development of basic touch keyboarding skills for using computers; introduction to formatting memorandums, letters, and reports. Students who have basic keyboarding skills may be able to bypass this course.

107 Intermediate Keyboarding. (3) I, II. Prerequisite. ACS 106 or equivalent Continued emphasis on speed and accuracy building, increased emphasis on business letters, manuscripts, reports, text editing, and formatting

200 Word Processing. (3) A. Prerequisite. ACS 106 or equivalent Development of basic word processing skills using computers Emphasis on text editing, formatting, saving and retrieving files, search, replace, and the columns feature.

201 Business Communication. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Principles and practices of modern business communication; various types of business letters and reports are studied; emphasis on writing letters and reports. Gen. Ed. 03.

210 International Business Communication. (3) A. Prerequisites: ENG 101 and 102 (or 105). Characteristics of cultural differences that alter communication symbols and meanings for international business activity. Topics include culture profiles and conducting business, business protocol, international documents/U.S. documents, negotiation strategies, and oral presentations to intercultural business audiences.

240 Records Management. (3) A. Creation, classification, retention, protection, and disposal of records; filing systems, procedures, and equipment; effects of technology on information management; facilities layout; records personnel administration; records control.

250 Introduction to Office Systems. (3) A. Prerequisite: ACS 200 or equivalent. Introduction to integrated office software applications. Credit will not be awarded to students who have credit for CIS 212 and CSC 104.

254 Business and Office Calculations. (3) A. Development of competency in business computations such as bank and sales records, discounts, commissions, markups, credit charges, payroll, taxes, depreciation, insurance, stocks, bonds, interest, and present value.

280 Office Procedures and Administration. (3) A. Procedures, technologies, human relations, and services of modern, dynamic offices.

290 Office Systems Applications. (3) I, II. Prerequisite: CIS 212 or ACS 250. Emphasis on advanced applications of integrated office software as productivity tools. Credit will not be awarded to students who have credit for CIS 230.

300 Managerial Reports. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Applications of communication theory, research methods, and information technology to communication within organizations. Includes common communication tasks faced by managers; communication task and audience analysis; collecting, organizing, analyzing, and interpreting data. Emphasizes written and oral reporting.

302 Desktop Publishing for the Business Office. (3) I, II. Prerequisite: word processing skills required. Development of business document design techniques using Windows and desktop publishing.

303 Integrated Office Operations. (3) A. Prerequisite: ACS 200. Provides opportunities for students to study, understand, and experience a wide range of activities appropriate for modern office operations. Refinement and application of skills and knowledge for effective and efficient operation of office systems.

340 Office Systems Planning. (3) A. Prerequisite: ACS 250. Office systems planning emphasizes work group interaction and implementation process, tactics, and strategies Involves applications through case or field-based projects Office systems productivity assessment; inter-group needs related to end-user, departmental, divisional, and organizational goals.

349 Cooperative Study in Administrative Services. (1-3) A. Prerequisites. GPA of 2.25; sophomore classification for associate degree; junior classification for baccalaureate degree. Supervised co-curricular work experience. Training plan required. Minimum 80 hours work required for each academic credit. May be retaken to a maximum of six hours.

420 Training in Office Systems. (3) A. This course applies theories of learning and instructional development to office systems employee

education and training. Topics include instructional design; strategy; technology; and the implementation, evaluation, and management of training in an organizational environment.

450 Managerial Communication Seminar. (3) A. Prerequisites: senior standing; ACS 201, 300, and PUB 375. A capstone course which applies business competencies and emphasizes analysis, application, and integration of communication processes, methods, media, and strategies in managerial decision making.

460 Administrative Services Internship. (2-4) A. Prerequisites: GPA of 2.25; ACS 201, 300, and departmental approval. Internship experiences appropriate for the student's major. Enrollment is limited to students with ACS programs in the department of Information Systems.

480 Integrated Office Systems. (3) A. Prerequisites: ACS 290, 300, and 340. This capstone course requires synthesis and applications of concepts related to current office systems topics.

490 Special Problems in Administrative Services. (1-4) A. Formerly ACS 580. May be retaken under different sub-topics to a cumulative maximum of six hours. Independent work, special topics, or seminars. Students must have the independent study proposal form approved by department chair prior to enrollment.

ADM—Apparel Design and Merchandising
Dr. Diane Maynard, Chair
102 Burrier

100 Introduction to the Fashion Industry. (3) II. Formerly TCF 219. The study of the fashion industry from fiber producer to designer to manufacturer. Includes auxiliary fashion enterprises such as fashion periodicals.

102 Introductory Clothing Construction. (3) I, II. Basic principles of clothing construction; selection, alteration, and fitting of commercial patterns.

201 Introduction to Textiles. (3) I, II. Introduction to yarns, fibers, fabrics, and finishes with limited physical examination and emphasis on consumer use. 2 Lec/2 Lab.

203 Pattern Alteration and Fitting. (3) II. Prerequisite: ADM 102. A basic study of pattern alteration and fitting using commercial patterns.

222 Fashion Illustration. (3) A. Methods and materials for clothing illustration, including sketching of the elongated fashion figure and computer-aided-design. Illustration, color and fabric rendering of original designs and clothing lines.

301 Fundamentals of Textiles. (3) II. Prerequisites. CHE 101 and ADM 201. A study of fibers, fabrication, and finishes with limited physical and chemical examination.

302 Textiles for Architectural Interiors. (3) I, II. Prerequisite: ADM 201. Characteristics, properties, specifications, and uses of textiles for architectural interiors. 2 Lec/2 Lab.

310 Historical Costume and the Social Order. (3) I. History of dress from ancient Egypt through the 20th century. Factors which influence the style of dress are studied and relationship between costume of the past and current modes.

312 Flat Pattern Design. (3) A. Prerequisites. ADM 102 and 203, or instructor approval. A study of the development of original design through flat pattern techniques.

313 Apparel Design and Quality. (3) II. A study of apparel selection including terminology, sizing of ready-to-wear, factors influencing quality levels of sewn products, and principles of design and aesthetics of dress.

319 Fashion Merchandising. (3) I. Prerequisite: ADM 100. The merchandising of fashion apparel, including planning fashion assortment and budgets, controlling merchandise, buying procedures, vendors and vendor relations. Practice in merchandising mathematics.

339 Visual Merchandising. (3) I. Prerequisite: junior standing or instructor approval. Principles and techniques used in the display of fashion merchandise and their application in planning and actual display of fashion goods for store windows and interiors.

349 Cooperative Study in Textiles, Clothing, and Fashion. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

411 Tailoring. (3) A. Prerequisites: ADM 102 and 203; or instructor approval. Application of tailoring techniques to garments made from commercial patterns.

412 Costume Design Through Draping. (3) A. Prerequisites: ADM 102 and 203; or instructor approval. A study of costume design through application of draping techniques, using the half scale figure.

413 The Professional in Apparel. (3) II. Prerequisites: Junior standing and 12 hours in ADM. Problem solving and the development of consumer products and services in the apparel industry. Preparation for the job search including resumes, cover letters, portfolios, and interviewing.

414 Fashion Merchandising Practicum. (10) A. Prerequisite: ADM 413 and 2.0 cumulative GPA. Supervised practicum in a retail store studying aspects of the merchandising of textile and clothing products.

419 Special Problems in ADM. (1-3) A. Prerequisites: 3.0 GPA and instructor approval. The student selects a problem and works under the supervision of the instructor. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topics differ.

510 Socio-Psychological Factors of Apparel. (3) A. Prerequisite: instructor approval. Social, cultural, and psychological factors which influence personal satisfaction in selection and use of apparel.

517 Textiles, Fashion, and Merchandising Tour. (1-3) A. Prerequisite: instructor approval. Tour of wholesale and retail outlets in fashion industry centers. Professional exposure to many aspects of the fashion industry. Special study project. May be retaken to a maximum of six hours provided the destinations differ.

550 ADM Topics: _____. (1-3) A. A course designed to offer specialized expertise in numerous areas related to textiles, clothing, and fashion. May be retaken to a maximum of six hours provided topics vary.

AFS—Aerospace Studies (Air Force ROTC)
Colonel Steve Parker, Chair
University of Kentucky
(606) 257-7115

Leadership Seminar is open to students who are members of the Air Force Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

111 Aerospace Studies I. (1) I. This course deals with the Air Force in the contemporary world through a study of the total force structure, strategic offensive and defensive forces, general purpose forces, and aerospace support forces.

112 Leadership Seminar. (1) I. Corequisite or Prerequisite: AFS 111 or 211. Introduces Air Force customs and courtesies, drill and ceremonies, and wear of the uniform. The course also includes a discussion of career opportunities in the Air Force.

113 Aerospace Studies I. (1) II. A continuation of AFS 111.

114 Leadership Seminar. (1) II. Corequisite or Prerequisite. AFS 113 or 213. A continuation of AFS 112.

211 Aerospace Studies II. (1) I. This course is a study of air power from balloons and dirigibles through the jet age. It is an historical review of air power employment in military and nonmilitary operations in support of national objectives; and a look at the evolution of air power concepts and doctrine.

212 Leadership Seminar. (1) I. Corequisite or Prerequisites: AFS 111 or 211; AFS 112, and 114. Builds on the foundation established during AFS 112 and 114. Air Force customs, courtesies, and opportunities are emphasized. The cadet is prepared for individual, flight, and squadron movements in drill and ceremonies.

213 Aerospace Studies II. (1) II. A continuation of AFS 211.

214 Leadership Seminar. (1) II. Corequisite or Prerequisites: AFS 113 or 213, AFS 112, and 114. A continuation of AFS 112. Emphasis on preparing cadets for attendance at field training during succeeding summer.

311 Aerospace Studies III. (3) I. Prerequisite: acceptance into the professional officer course. A study of management functions with emphasis on the environment. Individual motivational and behavioral process, communication, and group dynamics are included for the development of professional skills.

312 Leadership Seminar. (1) I. Corequisite or Prerequisite: AFS 311. Involves the cadets in advanced leadership experiences to prepare for active duty. Cadet responsibilities include planning, organizing, directing, coordinating, and controlling the activities of the cadet corps and preparing briefings and written communications.

313 Aerospace Studies III. (3) II. Prerequisite: AFS 311. A study of leadership with specific emphasis on the Air Force leader. Includes theoretical, professional, and communicative aspects. In addition, military justice and administrative law are discussed within the context of the military organization.

314 Leadership Seminar. (1) II. Corequisite or Prerequisite: AFS 313. Cadets continue preparations for fulfilling leadership positions as an active duty Air Force officer.

411 Aerospace Studies IV. (3) I. Prerequisites. AFS 311 and 313. A study of the military profession, civil-military interactions, communication skills, framework of defense policy, and formulation of defense strategy.

412 Leadership Seminar. (1) I. Corequisite or Prerequisite: AFS 411. Involves the cadets in higher level advanced leadership experiences similar to those in AFS 312. In addition, the cadets receive a final block of instruction for Initial Commissioned Service.

413 Aerospace Studies IV. (3) II. Prerequisite: AFS 411. Continues the study of strategy and the management of conflict. formulation and implementation of U.S. defense policy, defense organization, and case studies in defense policy making.

414 Leadership Seminar. (1) II. Corequisite or Prerequisite: AFS 413. Cadets prepare for Initial Commissioned Service by fulfilling advanced leadership positions. Continued emphasis on group dynamics and the role of future leaders in the Air Force.

495 Independent Work. (2-6) A. Prerequisite: approval of professor of aerospace studies. A study of an advanced problem on an aerospace subject under the guidance of the Chairman of the Department of Aerospace Studies.

AGR—Agriculture
Dr. Danny Britt, Chair
2 Carter

110 Introduction to American Agriculture. (2) A. The agriculture industry in the United States from significant past events to current status. Complexities of laws and regulations and their influence on the farmer's ability to produce for U.S. and World Markets. Credit may not be counted toward major or minor in the Department.

125 Principles of Animal Science. (3) I. Corequisite: AGR 126. Management and production of livestock enterprises; types, market classes, and grades of beef cattle, sheep and swine, and the breeds and products of dairy cattle.

126 Animal Science Laboratory. (1) I. Corequisite: AGR 125. Applied principles in the proper handling, restraint, and management techniques in beef, dairy, sheep, swine, and horses.

130 Principles of Agronomy. (3) I. Corequisite: AGR 131. Principles of plant growth, reproduction, crop-soil relationships. Provides foundations of information for further study in field crop production and soil management.

131 Agronomy Laboratory. (1) I. Corequisite: AGR 130. Laboratory and field experiences related to plant growth, development, and management of agronomic resources.

210 Agricultural Measurements. (2) A. Prerequisites: Mathematics 105 or higher. Measuring and computing areas of land, volumes and capacities of buildings, and feed structures, spray mixtures, fertilizer needs, parts per million, feed rations and other measurement situations encountered on the farm. Majors must take AGR 210 during the first 60 hours of course work or credit will not be awarded. Transfer students must take AGR 210 during their first semester after declaring a major.

213 Principles of Agricultural Mechanics. (4) I, II. Principles of operation, maintenance, and repair of gasoline engines and electrical motors; basic electrical circuits and electrical controls for agricultural mechanization systems and power requirements for agricultural structures; theoretical and practical experience

215 Principles of Soils. (3) I, II. Prerequisite. CHE 101. Soil origin, classification and properties, soil conservation, soil microorganisms, organic matter, soil water, soil minerals, lime and commercial fertilizers, soil erosion, soil management.

225 Evaluation and Selection of Livestock. (3) II. An evaluation of dairy cattle, beef cattle, swine and sheep; use of records, body type ratings, and carcass information as they relate to functional anatomy and efficiency of production; sire selection and pedigree interpretation. 2 lec/2 lab

250 Light Horse Production and Management. (3) A. History and role of equine industry, breeds of horses and ponies for work and pleasure, includes management, breeding, pests, and care of horses.

255 Companion Animal Management. (3) A. Care and management of dogs, cats, rabbits, birds, reptiles and tropical fish. Companion animal breeds, behavior, nutrition, genetics and reproduction will be emphasized.

272 Agricultural Machinery and Safety. (3) II. Selection, operation, maintenance and safe use of agricultural machinery used in the production and processing of agricultural products. Students will experience assembling different types of new farm machinery and reconditioning old machinery. 2 lec/2 lab

300 Travel Study in Agriculture Technology. (1-6) A. A travel course for groups and individuals in agriculture and horticulture to study new and emerging technologies in agriculture and horticulture, structural organizations of agricultural enterprises, and professional and interpersonal relationships. May be retaken once.

301 Directed Work Experience. (1-4) I, II. Cross listed as OHO 301. A minimum of three hours per week per hour of credit using university or other approved facilities. Credit will not be awarded to students who have credit for OHO 301.

302 Directed Work Experience - Management Practicum. (3) I, II. Student will schedule nine hours of work per week during the semester on a university farm to practice management and production skills related to a livestock herd or machinery operations. Options may be taken to a maximum of 12 hours.

302A Agricultural Mechanization Option.
302B Beef Cattle Option.
302C Swine Option.
302D Dairy Cattle Option.
302E Crops Option.
302F Sheep Option.

304 Pest Management. (4) II. Identification of the principal agriculture and horticulture insect disease and weed pests in Kentucky. Control measures are identified with special emphasis on the safe use of chemicals and equipment calibration.

308 Introduction to Agribusiness. (3) I. Prerequisites: ECO 230. An introduction to the economic environment of the agribusiness sector. Examines the role of agriculture in the U.S. and world economics. Includes concepts and principles concerning individual agribusiness decision making.

310 Principles of Agribusiness Management. (3) II. Prerequisite: AGR 308. Organization and operation of the farm related agricultural business with emphasis on budgeting, enterprise selection, financial statements, and resource management. Includes microcomputer applications and survey of government regulations that are applicable to topic.

311 Agriculture Metal Fabrication. (2) A. Principles and techniques of arc and oxyacetylene welding and soldering as it pertains to fabrication and repair of agriculture machinery and equipment. 1 lec/2 lab

312 Advanced Crops; Forage Crops. (3) II. Prerequisites: AGR 130 and 131. Cultural practices and principles of forage crops, especially grasses and legumes suited to Kentucky farms.

315 Technical Soils Laboratory. (2) I, II. Prerequisite: AGR 215. A soils skill course, recognizing physical characteristics of soils, study of soil types, reading a soil survey map, soil sampling and testing, determining amounts of lime and fertilizer, and applying soil conservation practices. 4 lab

317 Soil Classification and Morphology. (2) A, I. Prerequisite: AGR 215. Comprehensive soil survey system, identifying physical and chemical properties of the epipedons and subhorizons of the soil profile and assigning classification designations 1 lec/2 lab

318 Soil/Water Conversation Technology. (3) A, I. Prerequisite. AGR 215. Principles and procedures for basic surveying and soil-water conservation systems. This will include how rainfall, run-off, erosion, contours, ponds, lagoons, drainage, and irrigation interact with the desired conservation system. 2 lec/2 lab

321 Feeds and Feeding. (4) I. Feeds used in livestock feeding; including harvesting, storage, feeding characteristics, and ration formulation from these feedstuffs. 3 lec/2 lab

327 Beef Production. (4) I. Prerequisites: AGR 125, 126, and 321. History, importance, and trends associated with the beef cattle industry; systems of selecting, breeding, feeding, marketing, and management of beef cattle. 3 lec/2 lab

328 Swine Production. (4) A. Prerequisites: AGR 125, 126, and 321. History, importance, and trends associated with the swine industry; systems of selecting, breeding, feeding, marketing, and management of swine. 3 lec/2 lab

330 Meat Identification and Consumer Evaluation. (2) A. Principles of grading, cutting, identifying, pricing, and consumer evaluation of poultry, beef, pork, and lamb cuts, and related products.

332 Poultry Production and Management. (3) A. History and importance of the poultry industry, breeds, breeding, feeding, and management in the layer and broiler industry

340 Conservation of Agricultural Resources. (3) A. Conservation of soils and their fertility, erosion and control, soil conservation methods for individual farms, water supply and distribution, problems of water and air pollution, problems resulting from the population explosion.

345 Sustainable Agroecosystems. (3) A, I. Prerequisites: any course in chemistry, AGR 130, and 131; or OHO 131 and 132 or BIO 131. A comprehensive study of new technology related to crop, and pest management practices which could enhance economic returns, environmental quality, and the resource base for the short and long term.

349 Cooperative Study in Agriculture. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

350 Agricultural Marketing. (3) A. Prerequisites: AGR 308 and ECO 230. A study of concepts, principles and practices of marketing as related to the agribusiness system. Emphasis on agricultural input, production and processing/ manufacturing sectors. Includes agriculture futures commodity market theory, mechanics and practical applications.

362 Hydraulic Systems. (2) A. A study of basic principles of hydraulic systems and their application to agricultural and turf equipment. Lab experiences will provide familiarity and practice with equipment. 1 lec/2 lab

372 Topics and Laboratories in Animal Science. (1-2) A. May be taken to a maximum of two hours, provided the topics are different.

372A Feeds and Feeding Laboratory.
372F General.

373 Animal Diseases. (3) I. Prerequisite: six hours of animal science. Treatment, prevention, and eradication of infectious and parasitic disease of farm animals.

374 Genetics of Livestock Improvement. (3) II. Prerequisite: six hours of animal science. Applied genetic principles of improving farm animals including crossbreeding, inbreeding, and other mating plans.

375 Reproduction and Artificial Insemination of Domestic Animals. (3) A. Prerequisite: six hours of animal science. Reproductive systems, study and practice of artificial insemination, and pregnancy diagnosis of domestic animals. 1 lec/4 lab

376 Anatomy and Physiology of Domestic Animals. (3) A. Prerequisite: six hours of animal science. Fundamental physiological processes of livestock relating to production, nutrition, and diseases.

380 Technical Management of Dairy Cattle. (4) I. Prerequisites: AGR 125, 126 and 321. History, economics and nutritional importance and trends associated with the dairy industry including systems of selecting, breeding, feeding, sanitation, housing, marketing and management for financial success emphasizing both the cow and herd management. 3 lec/2 lab

381 Agriculture Structures. (3) I. Study the principles of planning, drawing, locating, and constructing farm livestock and materials handling facilities. Also, develop an understanding of closely

related structure aspects: such as, environmental control, waste management, ventilation, and structure design. 2 lec/2 lab

383 Diesel Power Systems. (3) I. Study of the operation, maintenance, and repair of agricultural diesel powered systems; includes electrical systems, fuels, injection pumps, and nozzles; laboratory practice. 2 lec/2 lab

409 Agriculture Business Records and Analysis. (3) I. Management and analysis of record systems for decision support involving organization, enterprise selection, and operation of agricultural and horticultural businesses.

410 Special Problems Seminar. (1-3) I, II. Cross listed as OHO 410. Students choose a problem and work under the supervision of the instructor in the field of the problem. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Credit will not be awarded to students who have credit for OHO 410.

411 Senior Seminar. (1) I, II. Prerequisites: Senior standing. Preparation of graduates to enter the job market. Students complete oral presentations, resumes, job applications, cover letters, job interviews and register with CD and P. Includes overall assessment of the graduate and department curriculum.

416 Soil Fertility. (3) A. Prerequisite. AGR 215. Various soil amendments including lime, organic and inorganic fertilizers, and conditioners are studied and evaluated for their effect on the physical, chemical, and biological properties of soils and subsequent crop yields.

417 Plant Tissue Culture Techniques. (3) I, II. Prerequisite: Instructor approval. A study of regeneration and morphogenesis of plant materials with emphasis on media preparation, callus induction, and in vitro propagation for several economic plant species. 1 Lec/4 Lab.

421 Animal Nutrition. (3) II. Prerequisites: AGR 321, CHE 361 & 362 or instructor approval. Principles of nutrition basic to modern livestock feeding, symptoms of nutrient deficiencies, nutritional disorders, metabolism of nutrients, feed additives, and modern methods of feed preparation and feeding.

440 Agricultural Financing. (3) II. Uses and types of agricultural credit, credit institutions, and relating credit needs to farm enterprises

501 Special Problems in Agriculture. (3) A. A course for exceptional seniors involving independent study and research related to problems of a theoretical and/or practical nature. May be retaken to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

570 Advanced Technical Agriculture: _____. (3) A. Advanced study of agriculture with emphasis on updating, understanding, and developing competency in recent technology. May be retaken to a maximum of nine hours provided the topic varies

577 Workshop in the Conservation of Natural Resources. (3) A. For teachers returning for graduate work. Instruction is given in the areas of soil, water, fish and wildlife, forest conservation, and methods of teaching related units at the elementary and junior high level.

AHN—Allied Health and Nursing
Dr. David D. Gale, Dean
203A Rowlett

100 Introduction to the Health Science Field. (3) I, II. Overview of U.S. health care: history, factors influencing health and health care, identification and organization of health facilities and professionals, health economics, health trends, and ethics.

105 Survey of Medical Terminology. (1) I, II, A. Independent study, modular design paced by class meetings includes word roots, prefixes, suffixes, and general medical terms. Credit will not be awarded to students who have previously taken AHN 200.

200 Medical Terminology I. (3) I, II, A. Basic medical vocabulary consisting of prefixes, suffixes, roots; anatomical, symptomatic, and common disease terms of the body systems.

201 Medical Terminology II. (3) I, II, A. Prerequisite: AHN 200. Includes surgical instruments and procedures, diseases, laboratory tests, clinical procedures, and abbreviations for each system. Terms related to oncology, radiology, nuclear medicine, pharmacology, psychiatry, systemic disorders, and autopsy procedures.

207 Survey of Disease. (3) I, A. Prerequisites: BIO 171, 301. Prerequisite or Corequisite: AHN 105 or instructor approval. An introduction to disease process and management. Includes a survey of disease of the major body systems. HNF students may not take this course to fulfil major requirements.

210 Special Problems in Allied Health and Nursing. (1-3) A. Prerequisite: advisor/departmental chair approval. For independent work, special workshops, or a special topic. May be retaken to a maximum of six hours.

239 Techniques of Electrocardiography. (1) I, II, A. Methods of obtaining 12-lead electrocardiogram and survey of cardiac anatomy, physiology, and electrophysiology.

250 Introduction to Gerontology. (3) I, II. An interdisciplinary approach to the study of aging that presents a balanced view of both normal and problem aspects of aging

340 Seminar in the Disease Process and Implications I. (2) I, II. Formerly AHN 450. Prerequisites or Corequisites: BIO 171, 301, and instructor approval. Theory and research in pathophysiology of the disease process. Emphasis on in-depth study of the most prevalent, major disease of man and their management through surgical intervention.

342 Understanding A.I.D.S. (1) I, II. A seminar intended to inform students about risk factors and implications associated with acquiring A.I.D.S. (Acquired Immune Deficiency Syndrome)

344 Seminar in Assertiveness. (1) I, II. Focus is on four basic components, differences between assertion, aggression, and non-assertion, identification of personal rights and rights of others, reducing cognitive and affective obstacles to acting assertively; and developing assertive skills through active practice methods

349 Cooperative Study: Allied Health and Nursing. (1-8) A. Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. Minimum 80 hours work required for each academic credit

410 Special Problems in Allied Health and Nursing. (1-3) A. Prerequisite: advisor/departmental chair approval. For independent work, special workshop, or special topic. May be retaken to a maximum of six hours

420 Special Topics for Health Professions. (1-2) A. Prerequisite: senior standing and/or instructor approval. Topics of current interest to students enrolled in health professions. May be retaken to a maximum of six hours.

510 Physical Assessment. (4) A. Prerequisite: instructor approval. Techniques used in performing a physical examination. Introduces the student to techniques used in eliciting patient histories. Graduate students complete a detailed case history.

531 Human Genetics and Its Implications for Health Care. (3) A. Prerequisites: one year of chemistry and biology or instructor approval. A study of the chromosomal basis of heredity, bio-chemical genetics, immunological disorders, and blood groups. Graduate students will be required to present a (mid-metaphase) human chromosomal analysis.

532 Principles of Genetic Counseling. (3) A. Prerequisite: AHN 531 or instructor approval. The role of the physician and medical geneticist and the health care worker in genetic counseling. Topics in genetic principles, probability, linkage, paternity, consanguinity, penetrance, and empiric risk counseling, prenatal diagnosis, and consequences of genetic counseling. Graduate students will present a case study.

550 Pathophysiology. (3) A. Prerequisite: instructor approval. Emphasis on in-depth study of the more prevalent, major diseases of man and their management

570 Health Care of the Aged. (3) A. Theories of gerontology; common health problems of the aged, focus on quality health care.

AHO—Orientation
Dr. Dominick Hart, Acting Dean
251 Case Annex

100 Arts and Humanities Orientation. (1) I. An introduction to the programs of the University and the College. Open to all students during their first two semesters of enrollment at EKU, beyond that open to students with fewer than 30 semester hours earned

ANO—Allied Health and Nursing Orientation
Dr. David D. Gale, Dean
203A Rowlett

100 Academic Orientation. (1) A. Orientation to the academic life and career preparation with emphasis on University regulations, catalog details, registration, career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned

ANT—Anthropology
Dr. Steven Savage, Chair
223 Keith

120 Introduction to Cultural Anthropology. (3) I, II. Explanation of culture and related concepts. Development of generalizations concerning social, economic, political, and ritual organization, based chiefly on comparative study of various traditional societies. Includes a brief survey of archeology and linguistics. Gen. Ed. 09

201 Introduction to Physical Anthropology. (3) I, II. General survey of the principal areas of physical anthropology, emphasizing contemporary human biological variation and including an appraisal of humankind's place within the biological realm and the role of genetics, osteology, and primatology in the study of humans. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

206 Human Evolution. (3) A. An introduction to primate and human evolution, emphasizing the fossil evidence of humankind's evolution and the development and evolution of human material culture. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

210 Non-Industrial Societies Around the World. (3) I, II. Descriptive survey of non-industrial societies from various parts of the world, emphasizing the levels of societal development. Gen. Ed. 10.

211 Industrial Societies Around the World. (3) I, II. Various aspects of cultures in the Industrial Age, presented in evolutionary and global perspective, and including the industrialization of

the underdeveloped world, and the implications of automation, cybernetics, and other technology. Gen. Ed. 11.

310 The Sociology of Language Use. (3) A. Cross listed as SOC 310. Prerequisites: ANT 120 or SOC 131 or instructor approval. An examination of the variations and meanings of language use in social groups and the role of language in human interaction. Credit will not be awarded to students who have credit for SOC 310.

325 Problems in Contemporary Cultures. (3) A. Anthropological approach to contemporary history including cultural crisis in industrialized civilizations, and the problems arising from the industrialization of traditional societies. Implications of current trends in culture change. Problems addressed dependent upon instructor. Gen. Ed. 12.

330 American Indians. (3) A. Prerequisite: ANT 120, 201, 210, or 211, or instructor approval. Descriptive and comparative study of representative native American cultures, emphasizing Indians of North America, and including culture area concept and culture change since European contact.

331 Appalachia: A Cultural Perspective. (3) A. Cross listed as SWK 331. Prerequisites: SOC 131 and three hours of ANT, SOC, or SWK. Sociocultural perspective of Appalachia. Relationship of physical characteristics; beliefs; occupation, personality, family/kinship patterns to health. Cross-cultural professional practice skills and errors of intercultural helping. Credit will not be awarded to students who have credit for SWK 331.

340 Folk and Peasant Societies. (3) A. Prerequisite: ANT 120, 210, or 211, or instructor approval. Emphasizes the relatively stable nature of these societies and their extensiveness. Consideration of problems resulting from contacts with non-peasant societies.

350 Methods in Archaeology. (3) A. Prerequisite: ANT 120 or instructor approval. An introduction to archeological method and theory, including reconnaissance, surface survey, excavation and processing, classification analysis, and interpretation of data. The course will include practical archeological exercises.

353 Archaeological Theory. (3) A. Prerequisite: ANT 120 or instructor approval. This course examines past societies emphasizing the Maya site of Copan, Honduras. Archaeological theory is examined in reference to Copan, including the history of archaeology, cultural ecology, trade, exchange, cultural evolution and state formation.

355 Selected Topics in Archeology: _____. (3) A. Formerly ANT 345. Prerequisite: ANT 350 or instructor approval. Sample topics: systems of chronology, historic archeological sites. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

360 Anthropology of Mesoamerica. (3) A. Prerequisites: ANT 210 and 211. This course focuses on the archeological past, the colonial experience, and the contemporary reality of the Indians of Mesoamerica — primarily the modern nations of Mexico, Belize, and Guatemala.

365 Selected Topics in Physical Anthropology: _____. (3) A. Prerequisite: ANT 201 or instructor approval. Sample topics: monkeys, apes, and humans; human osteology. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

375 Selected Topics: _____. (3) A. Prerequisite: ANT 120, 210, or 211; or instructor approval. Sample topics: legal and political anthropology, population genetics, cultural ecology. May be retaken to a maximum of nine hours, provided the subject matter differs each time.

380 Forensic Anthropology. (3) A. Prerequisite: ANT 201 or instructor approval. Forensic osteology and dentistry; including demographic methods, pathology, and practical methods of collecting human physical evidence; and the role of the expert witness. 2 Lec/2 Lab. Gen. Ed. 15 or 16.

385 Bones, Bodies, and Disease. (3) A. Prerequisite: ANT 201 or instructor approval. Introduction to paleopathology, the study of diseases and injuries in ancient human populations, as shown primarily by skeletal remains and secondarily by art and literature.

390 Kinship and Social Structure. (3) A. Prerequisite: ANT 120, 210, or 211; or instructor approval. An introduction to anthropological perspectives concerning the organization of primate social life in the past and present. Course emphasizes the nature and function of institutions such as family, lineage, clan, and fictive kinship in societies.

395 Theory in Anthropology. (3) A. Prerequisite: ANT 120, 210, or 211; or instructor approval. An introduction to the major theories employed by anthropologists to interpret field data from each of the four subdisciplines.

399 Sex Roles in Traditional and Contemporary Society. (3) A. Cross listed as SOC 399. Prerequisite: ANT 120, 210, 211, or SOC 131; or instructor approval. Consideration of the roles women and men have in traditional societies and their changing roles in industrial societies. Credit will not be awarded to students who have credit for SOC 399.

415 Social Gerontology. (3) A. Cross listed as SOC 415. Prerequisite: ANT 120 or SOC 131 or instructor approval. A comparative and historical study of the physical and sociocultural aspects of human aging from a societal and global perspective. Credit will not be awarded to students who have credit for SOC 415.

435 Area Course in Ethnology: _____. (3) A. Prerequisite: ANT 120, 210, or 211, or instructor approval. Cultures in selected areas of the world. May be retaken to a maximum of six hours, provided the subject matter differs each time.

439 Practicum in Archeology. (3) A. Co or Prerequisites: ANT 350, 355, 470, or instructor approval. This course pairs senior anthropology majors with professional archaeologists for on-the-job training. Practicum options may include federal and state governments, private archaeological consultants, and anthropology museums.

470 Field Methods in Archeology. (3-8) A. Prerequisite: 12 hours in ANT or instructor approval. Introduction to both excavating techniques and laboratory classifications and the analysis of evidence. Attention given to accurate reporting and analysis.

590 Tutorial in Anthropology. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours, provided the subject matter differs each time. Directed study in anthropology.

APS—Assets Protection
James McClanahan, Coordinator
252 Stratton

110 Principles of Assets Protection. (3) A. History and overview of the assets protection industry and employment opportunities, and introduction to the basic methodologies of assets protection: personnel, physical, procedural, and auditing systems.

210 Security Systems Integration. (3) A. Classroom and laboratory review and assessment of security technology, construction of physical security survey instruments, and non-technical design of integrated physical security systems.

225 Assets Protection Law. (3) A. Review of civil and criminal authority and liability of assets protection personnel, with emphasis upon tort liability for use of force, false imprisonment, defamation, invasion of privacy, malicious prosecution, negligent hiring and retention, and negligent security.

320 Assets Protection Management. (3) A. Prerequisite: APS 110 or advisor approval. The evolution and application of traditional and current theories of assets protection management.

333 Assets Protection Ethics and Policy. (3) A. Prerequisite: APS 110 or instructor approval. Case study review, assessment and design of assets protection codes of ethics, policies and procedures. Case studies include private and government entities.

349 Cooperative Study. (1-8) A. Prerequisite: Departmental approval. Co-curricular work experience under the direction of faculty and field supervisors. Placements related to academic studies. One to eight hours credit. Minimum 80 hours work required per credit hour.

350 Private Investigations & Ethics. (3) (A). Review of evolution, methods and management of private investigations, public and private investigative resources, investigative technology, and ethical and public policy considerations related to private investigations.

351 Investigative Interviews and Reports (3) A. Prerequisites: ENG 101 and 102; or instructor approval. Review of literature and techniques for conducting investigative interviews and interrogations, and preparation of investigative reports for internal, administrative, civil and criminal proceedings.

352 Investigative Law. (3) A. Prerequisites: APS 225 and 351; or instructor approval. Examination of statutory and case law pertaining to private investigations, and presentation of investigative evidence in internal, administrative, civil and criminal proceedings.

395 Government Compliance. (3) A. Prerequisites: APS 110 and 225; or instructor approval. Review of laws governing access to criminal, credit, driving, and personnel records, and survey of regulations which affect assets protection programs, such as DOD, DOE, DOT, EEOC, FCC, FDA, OCC, and NLRB.

435 Topical Assets Protection Seminar: _____. (1-3) A. Study of contemporary issues in assets protection. Selected topics may include credit card fraud, contract security management, employee drug testing, information security, insurance fraud, interviewing and negotiating, retail security, and other topics. May be retaken under different subtitles.

438 Information and Computer Security. (3) A. Prerequisite: instructor approval. Vulnerability assessments and countermeasures for securing computer and network information systems from unauthorized entry, abuse, and sabotage, with emphasis on system software, database analysis, communication networks, and auditing techniques.

445 Field Experience. (3-12) A. Prerequisite: departmental approval. Field training is designed to broaden the educational experience through appropriate observational work assignments in cooperating agencies. May be retaken to a maximum of twelve hours.

455 Independent Study. (1-3) A. Prerequisite: departmental approval. Individual reading and research on a problem or area within the field of assets protection after student consultation with the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

465 Assets Protection Auditing. (3) A. Prerequisites: ACC 201 and introductory level statistics course; or instructor approval. Review and application of investigative auditing, inventorying, and surveying procedures, and application of probability and statistical information to assets protection decision making.

495 Applied Assets Protection. (3) A. Prerequisite: APS senior standing or instructor approval. Senior capstone course which requires synthesis and application of prior course work in assets protection. Development, by each student and/or team, of a comprehensive assets protection program for a specific business or government agency, with oral and written presentation required

ART—Art
Dr. Gil Smith, Chair
309 Campbell

100 Drawing I. (3) I, II, A. Introduction to basic principles and techniques of drawing, emphasizing perceptual skills and the use of value and line.

101 Drawing II. (3) I, II, A. Prerequisite: ART 100. Continuation of ART 100, with an emphasis on the human figure as subject matter.

152 Design, Two-Dimensional. (3) I, II. Formerly ART 102. Introduction to the elements and principles of design as they apply to the two-dimensional surface.

153 Design, Three-Dimensional. (3) I, II. Formerly ART 103. Introduction to the methods, materials, and concepts related to the control of space

164 Concepts of Art. (3) I, II, A. Formerly ART 104. Introductory course covering the artist's relationship to society, art criticism, and fundamental art concepts and processes.

200 Art Appreciation: Orientation. (3) I, II. Introduction to the visual arts and their purposes, emphasis on ways and means available to the artist. Student has opportunity for individual expression through a visual arts medium. Not open to art majors or minors. Gen. Ed. 07.

210 Painting I. (3) I, II. Formerly ART 203. Prerequisites: ART 101, 152, 164. Introduction to painting, emphasizing basic painting techniques and concepts, perceptual skills, and the use of color.

220 Sculpture Survey I. (3) I, II. Formerly ART 207. Prerequisite: ART 101, 153, 164. Provides an introduction to basic sculpture problems, approaches, and techniques. Course problems are set in additive, substitutive, and constructive processes.

230 Printmaking I. (3) I, II. Prerequisites: ART 101, 152, 164. Introduction to basic concepts and techniques of printmaking.

240 Jewelry and Metalsmithing I. (3) I, II. Formerly 239. Prerequisites: ART 100, 153, 164. A strong historical and contemporary overview of jewelry and metalsmithing. Attention will be on design relating to the metals field. Students explore basic techniques of piercing, sawing, embossing, soldering, simple stone setting, and casting.

250 Design I. (3) II. Formerly ART 206. Prerequisites: ART 101 and 152. Introduction to the world of professional design, its physical and philosophical makeup. Discussion of varied applications of design and problem solving in each of the areas of specialization.

254 Typography. (3) A. Formerly ART 306. A study of the design and use of letter forms as it relates to graphic design. Emphasis on informational and aesthetic concerns, hierachy of information, major type families, their characteristics and specifications.

270 Ceramics I. (3) I, II. Formerly ART 202. Prerequisites: ART 100, 153, 164. Introductory experiences with ceramic handbuilding and decorating techniques and materials. Emphasis placed upon the application of clay to design problems involving aesthetic value and procedure in the making of ceramic objects.

280 Art Photography. (3) A. Formerly ART 205. Prerequisite: ART 100, 152, 164. Introductory course in photography as a visual arts medium.

300 Drawing Media. (3) A. Prerequisite: ART 101. Investigation of various media for drawing, emphasizing experimentation and the development of technical skills in each.

301 Figure Drawing. (3) A. Prerequisite: ART 101. A drawing course aimed at developing an increased understanding of the human figure and its possibilities as subject matter for art.

312 Painting II. (3) I, II. Formerly ART 302. Prerequisite: ART 210. Continuation of Painting sequence, emphasizing further development of skills and conceptual abilities as they relate to image-making.

313 Figure Painting. (3) I, II. Formerly ART 303. Prerequisite ART 312. Painting problems involving the human figure as subject matter.

314 Painting Media. (3) I, II. Formerly ART 304. Prerequisite: ART 312. An investigation of oils, acrylics, and other painting media, emphasizing experimentation and the development of technical skills. Particular attention is given to the appropriateness of media and technique to imagery and content.

321 Sculpture Survey II. (3) I, II. Formerly ART 307. Prerequisite ART 220. Continuation of Sculpture sequence, with basic sculptural problems set in foundry, subtractive, and mixed-media processes.

322 Intermediate Sculpture. (3-6) I, II. Formerly ART 347. Prerequisites: ART 321. Provides an in-depth exploration of sculptural problems at the intermediate level, developed through projects designed to fit personal interests. May be retaken to maximum of six hours.

331 Printmaking II. (3) I, II. Prerequisite: ART 230. Continuation of Printmaking sequence, with emphasis on entaglio and relief printmaking processes.

332 Printmaking III. (3) I, II. Prerequisite: ART 331. The student will work in a specific area of printmaking concentration.

341 Jewelry and Metalsmithing II. (3) I, II. Formerly ART 339. Prerequisite ART 240. An extension of introductory jewelry/metalsmithing techniques and design. Allows the student to extend thinking in the direction of both philosophical and technical processes. Techniques include fusing, alternate joining methods, electroplating/forming, and advanced fabrication.

343 Jewelry and Metalsmithing III. (3) I, II. Formerly ART 340. Prerequisite: ART 341. An advanced course in the design and manufacture of contemporary jewelry. Traditional and non-traditional techniques will be utilized. Discussion of cultural attitudes toward jewelry design.

344 Jewelry and Metalsmithing IV. (3) I, II. Formerly ART 342. Prerequisite: ART 343. A course concentrating on the history, design, and techniques of hollowware production. Students will explore angle raising, fluting, crimping, sinking, and non-traditional forming as well as the sculptural properties of the raised form.

349 Cooperative Study: Art. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Design II. (3) II. Prerequisite: ART 250. Problem solving in the areas of packaging design, corporate design, advertising design, and illustration.

351 Illustration. (3) I. Prerequisite: ART 250. An introduction to visual imagery as a communicative and narrative medium with an emphasis on black and white and color illustration.

352 Photographics. (3) II. Prerequisite: ART 250. An exploration of photography as an image making tool for the designer. Photographic imaging processes are used as the principle image in design-oriented problem solutions.

356 Introduction to Graphic Design. (3) A. Prerequisite: ART 152. Closed to Art majors. An introduction to the profession of Graphic Design for non-Art majors. Discussion and application of design and problem-solving issues as they relate to layout and production, typography, illustration, computer and photographic imagery, and graphic standards and systems.

371 Ceramics II. (3) I, II. Formerly ART 348. Prerequisite: ART 270. Introduction into the wheel forming process with clay. Basic formulation of clay and glazes.

372 Ceramics III. (3) I, II. Formerly ART 359. Prerequisite: ART 371. An exploration into the fundamental structural problems of sculptural ceramic forms. Research into various decorating techniques utilizing clay and glaze.

376 Ceramics for Non-Majors. (3) A. Prerequisite: none. Closed to Art majors. An introduction to the craft and art of Ceramics for non-Art majors, providing fundamental experiences with materials, handbuilding, decorating techniques, and firing directed toward both aesthetic and functional problem-solving in the making of ceramic objects. Credit earned may eventually be applied to a major in Art with approval of the Department.

381 Intermediate Photography: Black and White. (3) I, II. Formerly ART 305. Prerequisite: ART 280. Intermediate course in art photography stressing black and white photography. Builds on creative skills and techniques learned in previous art photography classes.

382 Intermediate Photography: Studio. (3) I, II. Formerly ART 310. Prerequisite: ART 381. Intermediate course in art photography stressing studio photography. Builds on creative skills and techniques learned in previous art photography courses.

383 Intermediate Photography: Color. (3) I, II. Formerly ART 315. Prerequisites: ART 381. Intermediate course in art photography stressing color photography. Builds on creative skills and techniques learned in previous art photography courses.

390 Survey of Art History I. (3) I, II. Study of art from prehistoric times through the Gothic period. Gen. Ed. 07.

391 Survey of Art History II. (3) I, II. Study of art from the Renaissance to the present day. Gen. Ed. 07.

401 Advanced Drawing. (3) A. Prerequisites: ART 300 and 301. Advanced problems in drawing emphasizing personal explorations of media and imagery.

413 Advanced Painting. (3) I, II. Formerly ART 403. Prerequisites: ART 313, 314 and admission to the BFA program. Advanced problems in painting, emphasizing the student's personal expression through imagery and techniques.

414 BFA Painting. (3) I, II. Formerly ART 404. Prerequisites: ART 413 and approval of BFA committee. Corequisite: ART 499. Final exit course in BFA painting area with emphasis in professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

423 Advanced Sculpture. (3) I, II. Formerly ART 426. Prerequisite: ART 322 for six hours, and admission to BFA program. The students sculptural directions are defined and directed at the advanced level, through individually tailored extended projects.

424 BFA Sculpture. (3) I, II. Formerly ART 427. Prerequisites: ART 423 and approval of BFA committee. Corequisite: ART 499. Final exit course in BFA sculpture area with emphasis on professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

433 Printmaking IV. (3 - 6) I, II. Formerly ART 437. Prerequisite: ART 332, and admission to the BFA program. The student is free to pursue a program of individual interest. Emphasis placed on creativity and professionalism. May be retaken to a maximum of six hours.

434 BFA Printmaking. (3) I, II. Formerly ART 438. Prerequisites: ART 433 for six hours and approval of BFA committee. Corequisite: ART 499. Final exit course in BFA printmaking area with emphasis on professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

443 Jewelry and Metalsmithing V. (3) I, II. Formerly ART 439. Prerequisites: ART 344, and admission to BFA program. Designed for the advanced student pursuing a career as a professional jeweler/metalsmithing. Attention given to developing a personal design philosophy. Students will submit a work proposal for the semester.

444 BFA Jewelry and Metalsmithing. (3) I, II. Formerly ART 440. Prerequisites: ART 443 and approval of BFA committee. Corequisite: ART 499. Final exit course in BFA jewelry and metalsmithing area with emphasis on professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly

451 Design III: Image Assembly/ Production. (3) II. Formerly ART 353 Prerequisite: ART 254, 350 and admission to BFA program. Preparation of mechanicals with regard to the development of printed matter. Students will consider alternatives in the preparation of camera-ready art The reproduction of typography, illustration, photography, and graphics will be discussed.

452 Computer Design. (3) I. Formerly ART 311 Prerequisites: ART 254, 350, and admission to the BFA program. An introduction to the creative use of computers in graphic design. Hands- on experience using the computer, scanner, and video output with a variety of 2D design and imaging software

453 Design IV - Systems Design. (3) I, II. Formerly ART 449 Prerequisite. ART 451 A systematic approach to advanced graphic design. Focus on advanced graphic design using a series format Both two and three dimensional concerns will be addressed

454 BFA Graphic Design. (3) I, II. Formerly ART 450 Prerequisite: ART 453 and approval of BFA committee Corequisite: ART 499. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly

460 Materials Inquiry in Art Education. (3) I. Formerly ART 430 Prerequisite. open to senior art students who plan to teach Diversified inquiry into art materials and processes in the elementary and secondary schools

463 Problems in Art. (1-3) A. Formerly ART 563 Prerequisite Approval of proposal by department Limited to seniors Continuation of study begun in regular departmental courses May be retaken to a maximum of nine hours

472 Ceramics IV. (3) I, II. Formerly ART 459 Prerequisite ART 372, and admission to the BFA program. An exploration into an independent and personal way of working with clay Various kiln building and firing techniques will be explored

473 Ceramics V. (3) I, II. Formerly ART 469. Prerequisite: ART 472 Continued independent work in clay as defined and directed through individual projects.

474 BFA Ceramics. (3) I, II. Formerly ART 470 Prerequisites ART 473 and approval of BFA committee Corequisite: ART 499. Final exit course in BFA ceramics area with emphasis on professional development. Course includes preparation for senior show, writing of senior thesis, and portfolio assembly.

483 Photography: Advanced. (3) I, II. Formerly ART 405. Prerequisites: ART 382, 383 and admission to BFA program. Advanced art photography course which builds on creative skills and techniques learned in prior art photography courses. Stresses development of student initiative/ personal expression (style).

484 BFA Photography. (3) I, II. Formerly ART 410. Prerequisite: ART 483 and approval of BFA committee. Corequisite: ART 499. Culminating experience in art photography serving to crystallize and unify individual expression. The student prepares a portfolio and written statement of personal photographic concerns.

492 Greek and Roman Art. (3) A. Formerly ART 393. Prerequisite: ART 390 or instructor approval. Study of the history of the classical Greek and Roman architecture, sculpture, and painting from the beginnings of Greek art to the time of Constantine.

493 Medieval Art. (3) A. Formerly ART 490. Prerequisite: ART 390 or instructor approval. Development of art in Eastern and Western Europe from 313-1400 A.D.

496 Nineteenth Century Painting. (3) A. Formerly ART 395. Prerequisite: ART 391 or instructor approval. Study of major painting styles of the century, including neoclassicism, romanticism, realism, impressionism, and post impressionism.

497 History of Modern Art. (3) A. Prerequisite. ART 391 or instructor approval. A specialized study of art and architecture in Europe and America from the late nineteenth to the late twentieth century.

499 Senior Exhibition. (1) I, II. Prerequisite: last semester senior in BFA program. Corequisite: final BFA studio in option area. Organization and presentation of an exhibition of the student's work.

560 Workshop in Art:_____. (3) A. Formerly ART 540. Prerequisite: Approval of department. Intensive study in a specific phase of the visual arts. Current processes, materials, and theoretical foundation will be considered May be retaken with different topics to a maximum of nine hours

562 Seminar in Art Criticism. (3) A. Prerequisites: ART 390 and 391. Study of various topics and problems which relate to the student's understanding and critical awareness of the visual arts.

594 Italian Renaissance Art. (3) A. Formerly ART 590. Prerequisite: ART 391 or instructor approval. In-depth study of selected aspects of the painting, sculpture, and architecture of Italy between 1400 and 1600.

595 Baroue and Rococo Art. (3) A. Prerequisite: ART 391 or instructor approval. A specialized study of the art and architecture of church and state in Europe during the Age of Absolutism, from the late sixteenth to the late eighteenth century.

ASL—American Sign Language
Dr. Martin Diebold, Chair
245 Wallace

101 American Sign Language I. (3) I, II. Formerly SED 101. Communication with deaf individuals who sign. Includes development of expressive and receptive sign skills, manual alphabet, numbers, sign vocabulary, and an overview of syntax, grammar, and culture of ASL. 3 Lec/Lab. Gen. Ed 03 or 04

102 American Sign Language II. (3) I, II. Formerly SED 102. A second level course in the visual language of ASL. An overview of linguistic and sociolinguistic information regard ASL while advancing communication skills in the language and cultural awareness of the deaf community. Gen. Ed. 03 or 04.

201 American Sign Language III. (3) I, II. Formerly SED 201. Emphasis is placed on practical application of ASL signing skills, development of cross-cultural communication abilities, and vocabulary expansion. Linguistic information is reviewed and additional linguistic materials are introduced. Gen. Ed. 03 or 04.

202 American Sign Language IV. (3) I, II. Formerly SED 202. Continued expansion of sign vocabulary, sharpening of conversational skills including fingerspelling and numbers, semantics, morphology syntax and other ASL features and applied to conversational settings. Gen. Ed. 03 or 04.

301 American Sign Language V. (3) I. Prerequisite: ASL 202 or permission of instructor. A study of the principles, methods and techniques at the intermediate and advanced level of American Sign Language for communicating with Deaf individuals who sign. Clinical hours required.

302 American Sign Language VI. (3) II. Prerequisite: ASL 301 or permission of instructor. A study of the principles, methods and techniques at the advanced level of American Sign Language for communicating with Deaf individuals who sign. Clinical hours required.

AST—Astronomy
Dr. Christopher Laird, Chair
351 Moore

130 Introductory Astronomy. (3) I, II. Elementary survey course; study of Moon, Sun, and eclipses; Solar System, near stars and Milky Way. Non-laboratory. Credit will not be awarded to students who have credit for AST 135. Gen. Ed. 15 or 16.

135 Introductory Astronomy. (3) I, II. This course is the same as AST 130 except that a laboratory is offered in place of certain topics. Credit will not be awarded to students who have credit for AST 130. 2 Lec/2 Lab. Gen. Ed. 14.

330 Stars, Blackholes: the Cosmos. (3) A. An introductory survey course for non-science majors directed at studying the origin and evolution of the Universe, of galaxies, and of stars as well as of quasars, pulsars, and Black Holes. Non-laboratory Gen. Ed. 15 or 16.

ATO—Applied Arts and Technology Orientation
Dr. Dominick Hart, Acting Dean
301 Whalin

100 Academic Orientation. (1) I, II. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration, various career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

AVN—Aviation
Dr. Wilma Walker, Chair
404 Burrier

150 Introduction to Aviation. (3) A. An introductory course specifically designed for students to obtain a broad understanding of the aviation world including varying aspects of space exploration. Includes a study of aviation history and the general aviation environment.

192 Private Pilot: Ground. (3) A. An introduction to flying designed to provide all aeronautical information necessary to successfully complete the FAA written examination for private pilots. An integrated lecture and laboratory effort in which simulators and actual aircraft are used.

192A Private Pilot: Flight I. (.5) A. Prerequisite or Corequisite: AVN 192 or special approval. This course consists of half the dual and solo flight hours and experiences required for the private pilot certification with the Federal Aviation Administration.

193A Private Pilot: Flight II. (.5) A. Prerequisite or Corequisite: AVN 192, 192A or special approval. This course consists of half the dual and solo flight hours and experiences required for the

private pilot certification with the Federal Aviation Administration.

201A-202A-203A-204A Intermediate Supervised Flight I, II, III, IV. (.5 each) A. These courses are designed to permit students holding the private pilot license (AVN 192A/193A) to acquire additional supervised flight time. These courses include approximately 12 flight hours each.

220 Instrument Pilot: Ground. (3) A. Prerequisites: AVN 192 192A/193A or equivalents. This course is designed to be integrated with AVN 220A and includes studies of aircraft operations under instrument conditions inclusive of the rules and regulations governing non-visual flight

220A Instrument Pilot: Flight. (1) A. Prerequisites: AVN 192, 192A/193A, or equivalent inclusive of a private pilot license, AVN 220, and a minimum of 40 hours of cross-country flight time as pilot-in-command; or coordinator approval. A laboratory course integrated with AVN 220.

225A-226A-227A-228A Advanced Supervised Flight I, II, III, IV. (.5 each) A. Prerequisites: private pilot license and instrument rating (or equivalents). Laboratory courses designed to permit students sequential flight time leading toward acquisition of a FAA Commercial Rating. Each of these courses require approximately 12 hours of flight, some of which is in a high performance aircraft.

300 Commercial Pilot: Ground. (2) A. Prerequisites: AVN 192, 192A/193A, 220, and 220A or equivalents. The course consists of instruction emphasizing airplane operating procedures, proper airplane flight control, air and ground safety, traffic control procedures, commercial flight maneuvers, national airspace systems, terminal and en route charts, navigation procedures and communications.

300A Commercial Pilot: Flight. (1) A. Prerequisites. AVN 192, 220, 300, and a private pilot license (AVN 192A/193A); or coordinator approval. A one hour laboratory course taught with AVN 300. The course consists of all or part of the dual and solo flight hours required for FAA commercial pilot certification.

310 CFI-Airplane: Ground. (4) A. Prerequisites. appropriate flight credentials. A study of basic information regarding fundamentals of teaching and learning (including effective teaching methods), aerodynamics helpful to flight instruction, and flight instructor responsibilities.

310A CFI-Airplane: Flight. (1) A. Prerequisites: appropriate flight credentials and AVN 310; or coordinator approval. Flight training to prepare students to take FAA flight test for CFI.

315 Flight Safety. (3) I, II. A presentation and analysis of factors and procedures relating to aviation safety inclusive of techniques for accident prevention, development of safety programs, procedures used in accident investigation, and the human factor.

320 CFI-Instrument: Ground. (2) A. Prerequisite: appropriate flight credentials. A study of aeronautical information and instructional background necessary for becoming instrument flight instructors. Included in the course is teaching methodology, instrument interpretations, and instrument flight procedures.

320A CFI-Instrument: Flight. (1) A. Prerequisites: appropriate flight credentials and AVN 320; or coordinator approval. Flight training to prepare the student for the FAA flight test for CFII.

325 Advanced Aircraft Systems. (3) I, II. A study of electrical, mechanical and hydraulic systems, design and performance standards, capabilities and limitations, and conformance to FAA specifications.

335 Weather Reporting/Analysis. (3) I, II. A comprehensive analysis of weather conditions and patterns as they apply to flight.

340 Aviation Administration. (3) I, II. Prerequisite: AVN 150 or 192. A study of guidelines for aviation management and administrative functions including problems, trends, and planning regarding operation of airports.

349 Cooperative Study: Aviation. (1-8) A. Prerequisite: coordinator approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. A minimum of 80 hours work required for each academic credit.

350 Air Transportation. (3) I, II. A survey of the historical development of the air transportation system covering facilities, impact of regulations, problems encountered, and future requirements.

360 Problems In Aviation Administration. (3) I, II. Designed for utilization of aviation industry case studies to introduce the techniques, methods, and procedures for problem solving.

365 Airline Reservation Systems. (3) A. This course uses lecture and computer simulation to develop student proficiency in operation of reservation systems used by major airlines. The systems are used for passenger booking, hotel reservation, automobile rentals and packaged tours.

370 Techniques: Aviation Supervisors. (3) I, II. A study of effective personnel management theory through application to practical situations in the aviation industry.

390 Aviation Administration Decision Making. (3) I, II. A study of decision theory and its application to aviation administration decision-making and problem solving processes.

400 Multi-Engine Pilot: Ground. (1) A. Prerequisite. Appropriate flight credentials. The course is designed to provide appropriate aeronautical knowledge about multi-engine aircraft to facilitate successful completion of the multi-engine flight component.

400A Multi-Engine Pilot: Flight (1) A. Prerequisite or Corequisite AVN 400 and appropriate flight credentials. A one hour laboratory course integrated with AVN 400 consisting of the dual and solo flight hours required for FAA certification.

410 Air Traffic Control. (3) I, II. A study of the national air traffic control system with emphasis on basic air traffic control procedures; the role of centers, approach control, towers, and flight service centers, communications; navigation procedures, radar operations, facilities.

420 CFI Multi-Engine: Ground. (2) A. Prerequisite: appropriate flight credentials Principles and methodology of teaching multi- engine flight and includes ground instruction required by the FAA in preparation for a flight instructor multi-engine rating.

420A CFI Multi-Engine: Flight. (1) A. Prerequisites: appropriate flight credentials and AVN 420; or coordinator approval. Flight training to prepare the student for the FAA CFI Multi-Engine flight test.

425 Advanced Aerodynamics. (3) A. Prerequisites: PHY 131 and 132 Advanced theories of flight and flight factors as well as advanced principles of performance.

460 Aviation Legislation. (3) I, II. Prerequisite: AVN 150 or AVN 192, or coordinator approval. A study of civil law as it pertains to aviation and includes the historic development of United States and international aviation law while surveying governmental responsibility for aviation accidents.

470 National Air Space System. (3) I, II. An overview of the National Air Space System with emphasis on problems of implementation, safety considerations, and social/economic impact.

495 Internship. (1-3) A. Prerequisite departmental approval. Students will work under departmental supervision in a private or public agency engaged in aviation activities.

498 Independent Study. (1-3) A. Prerequisite: AVN major with senior standing Student must have the independent study proposal form approved by faculty supervisor and program coordinator prior to enrollment. May be retaken to a maximum of six hours.

BEM—Broadcasting and Electronic Media
Dr. Ron Wolfe, Chair
109 Alumni Coliseum

225 Introduction to Electronic Media. (3) I, II. Survey of the electronic communications industry. Historical development, technical operations, programming and production techniques, as well as job opportunities, responsibilities, and industry codes.

240 Audio Production. (3) I, II. Fundamentals of the technical and artistic elements of radio production. Includes control room techniques, sound recording, audio editing, and operational regulations.

295 Video Production I. (3) I, II. Training in non-studio video production and editing. Includes applied aesthetics and production of dramatic informational or experimental work on video. Introduction to techniques, styles, and image structure. Requires weekly projects, critiques, lab

300 Performance in Electronic Media. (3) I, II. Prerequisite BEM 240 Study of the announcer's role in electronic media Stresses practice in performing areas, including radio and television production, microphone and television camera techniques with an added emphasis on phonetics and pronunciation.

340 Advanced Audio Production. (3) A. Prerequisite BEM 240. Program functions in radio communications, including the planning, production, and direction of more complex programs. Uses original ideas and methods in documentary and studio productions

343 Audio Practicum. (1-3) I, II. Prerequisite: BEM 240. Supervised practical experience on the staff of a radio or other audio facility May be taken to a maximum of three hours. May not be counted toward the major.

349 Cooperative Study: Broadcasting and the Electronic Media. (1-8) A. Prerequisites junior standing, "B" average in all courses within the department, and departmental approval Work under faculty and field supervisors in placements related to academic studies One to eight hours credit per semester or summer Total hours eight, associate, sixteen baccalaureate A minimum of 80 hours work required for each academic credit May not satisfy major or minor requirements within the department

370 Electronic Cinema Production. (3) I, II. Principles and procedures behind single-camera dramatic productions recorded and edited on videotape

373 Electronic Cinema Practicum. (1-3) I, II. Prerequisite: BEM 370. Supervised practical experience in film making, editing, and other aspects of film-style production May be retaken to a maximum of three hours. May not be counted toward the major.

375 Writing for the Electronic Media. (3) I, II. Prerequisites: ENG 101 and 102 (or 105) and the ability to keystroke 25 words per minute Examination of the specialized forms of writing for the electronic media Emphasizes both visual and verbal planning elements as well as practical experience in writing commercial, public service, narrative, and documentary copy

395 Video Productions II. (3) I, II. Prerequisites BEM 295 Training on and mastery of advanced production and post production equipment. Requires group and individual portfolio projects involving a critical and artistic understanding of sound-image relationships Includes multi camera production, directing and producing

398 Electronic Video Practicum. (1-3) I, II. Prerequisite: BEM 395. Supervised practical

experience on the staff of a television station or other video facility. May be taken to a maximum of three hours. May not be counted toward the major.

401 Broadcast News. (3) A. Prerequisites: COM 301or BEM 295. Introduces television news production. Designed to acquaint students with techniques, principles and equipment used in broadcast journalism; emphasizes writing, field reporting and editing; evaluation of commercial station newscasts; individual and team projects.

402 Advanced Broadcast News. (3) A. Prerequisites: BEM 401. Advanced study in broadcast journalism. Planning, gathering, writing, editing and producing news for television; critical evaluation of broadcast news techniques; individual and team projects.

410 Electronic Media Programming. (3) A. Prerequisite: COM 200. Interrelationships of programs and audiences. Analysis of audience and program research as well as individual program formats. Study of procedures for developing station-cable schedules.

415 Regulation and Responsibility. (3) A. Prerequisite COM 200. Theoretical course dealing with social, political, legal, economic, and ethical influences on American radio and television broadcasting.

425 Electronic Media Management. (3) A. Prerequisite: COM 200. Study of the successful operation of radio and television stations and cable systems. Covers staffing, budgeting, types and sources of programs, equipment evaluation and purchase, public relations, and industry-wide regulatory codes.

440 Survey of Cable TV Industry. (3) A. Prerequisite: COM 200 A study of the cable television industry including development, regulations, franchising, programming, local access, marketing, and cable's role and function in society

495 Video Production III. (3) I, II. Prerequisites. BEM 395 or 370. Advanced study of video production and direction, combining studio and field work. Includes writing program proposals, scripts, and shooting schedules. Programs produced outside normal class hours

BIO—Biology
Dr. Barbara Ramey, Chair
235 Moore

100 Introductory Biology. (3) I, II. The course will deal with introductory principles of biology that are fundamental to an individual's knowledge as it pertains to the interrelationships of organisms in the natural world Topics to be addressed: cellular basis of life, metabolism, genetics, biological diversity, reproduction, evolution, ecology, and environmental biology May not be used to satisfy area, major, or minor requirements Credit will not be awarded to students who have credit for NAT 101 2 Lec/2 Lab. Gen Ed 13

131 General Botany. (4) I, II. Structure and functions of vascular plants and morphology of representatives of the plant kingdom. 2 Lec/4 Lab Gen. Ed. 13

141 General Zoology. (4) I, II. Morphology, physiology, comparative anatomy, development, life history, evolution, and diversity of animals 2 Lec/4 Lab. Gen Ed. 13.

171 Human Anatomy. (3) I, II. A study of the basic anatomy of the human body and appropriate correlations with body functions. May not be used to satisfy area, major, or minor requirements. 2 Lec/2 Lab. Gen. Ed. 13.

211 Principles of Biological Systems. (4) I, II. Prerequisites: BIO 131 or 141; CHE 112. Cellular structure and function, tissue-organ system levels of organization; reproduction and development, heredity and evolution. 3 Lec/2 Lab.

271 Advanced Human Anatomy. (3) II. Prerequisites: BIO 171 and departmental approval An advanced study of human anatomy. Emphasis is placed on the musculoskeletal and nervous systems and their anatomical and functional relationships. May not be used to satisfy area, major, or minor requirements. 2 Lec/2 Lab.

273 Clinical Microbiology. (4) I, II. Prerequisites: BIO 171 and CHE 105 or 106; or instructor approval. A study of microorganisms as causative agents in diseases of humans with emphasis on differentiation and culture, types of diseases, modes of transmission, prophylactic, therapeutic and epidemiological considerations. May not be used to satisfy area, major, or minor requirements. Credit will not be awarded to students who have credit for CLT 209. 2 Lec/4 Lab.

300 Economic Plants. (3) I, II. Economic consideration of plants as sources of food, medicine, and other products; the origin, domestication, general anatomy and culture of plants; deleterious plants; aspects of aesthetics and effect on society and world events. May not be used to satisfy area, major, or minor requirements, except the biology (teaching) major and minor Gen. Ed 15 or 16.

301 Human Physiology. (3) I, II. Functions of human life processes at the cellular, tissue, and organ-system levels of organization with emphasis on homeostatic mechanisms will be considered in this course. May not be used to satisfy area, major, or minor requirements. Gen. Ed. 15 or 16 and Gen. Ed 13 with BIO 378.

303 Human Heredity and Society. (3) I, II. Inheritance of human traits, including blood groups, sex and sex-related traits, lethal factors, mental capacities, and metabolic disorders; pedigrees, family traits, and population trends. A current background in general biology (BIO 100 or NAT 101) is recommended but not required. May not be used to satisfy area, major, or minor requirements Gen Ed 15 or 16

304 Birds of Kentucky. (3) A. Popular consideration of birds of the eastern and central United States with emphasis on birds of Kentucky and especially birds of the local area Field trips required May not be used to satisfy area, major, or minor requirements 2 Lec/2 Lab Gen. Ed 15 or 16

310 Biology of Aging. (3) A. Prerequisite: BIO 100 or NAT 101 or BIO 171 or instructor approval. System by system approach to the biological effects of the aging process on the human body May not be used to satisfy area, major, or minor requirements in the Department of Biological Sciences Gen. Ed 15 or 16.

315 Genetics. (4) I, II. Prerequisite: BIO 211. Discussion of Mendelian genetics, cytogenetics, molecular genetics, and recombinant DNA techniques Emphasis on critical thinking skills utilizing a problem-solving based approach in both lecture and laboratory. Laboratory will include experimental manipulation of biological material 2 Lec/4 Lab.

316 Ecology. (4) I, II. Prerequisite: BIO 211 Basic concepts and principles as applied to the study of organisms or groups of organisms in their interrelations to each other and to their environments 2 Lec/4 Lab

317 Conservation of Wildlife Resources. (3) I, II. Introduction to the principles and practices of conservation of plants and animals; requirements and values of wildlife resources, impact of human activities on resources May not be used to satisfy area, major, or minor requirements. Gen. Ed. 15 or 16.

320 Principles of Microbiology. (4) I, II. Prerequisites: BIO 211 and CHE 112, or instructor approval. A study of bacteria and other microorganisms, their morphology, development and function, techniques of isolation, cultivation and identification; physiology, nutrition, and genetics, role of microbes in medicine, agriculture, and industry. 2 Lec/4 Lab.

328 Plant Physiology. (4) II. Prerequisites: BIO 131, 211, and CHE 112; or instructor approval. Application of elementary physical and biological principles to the understanding of plant processes involved in the assimilation, metabolism, and regulation of growth and development. 2 Lec/4 Lab.

331 Cell Biology. (3) I. Prerequisite: BIO 211. An introduction to the structure and function of plant and animal cells, with emphasis on the structure and function of cell organelles. An overview of molecular techniques used in the study of cellular metabolism.

335 Plant Systematics. (3) II. Prerequisite: BIO 131. Identification, classification and phylogeny of vascular plants; principles of taxonomy. 1 Lec/ 4 Lab.

340 Marine Biology. (3) II. Prerequisite: instructor approval. To develop an understanding of marine organisms, the course will include an extended field trip to a marine ecosystem and will involve collection, identification, study of the ecology and life histories of marine organisms. 1 Lec/4 Lab.

342 Comparative Vertebrate Anatomy. (4) I. Prerequisite: BIO 141. Phylogeny and morphology of the classes of vertebrates. Comparative studies of organs and systems of vertebrate animals based principally on the dogfish, *Necturus*, and cat. 2 Lec/4 Lab.

348 Animal Physiology. (4) I, II. Prerequisites: BIO 211 and CHE 112. A study of the physical and chemical aspects of mechanisms of function of animals at the organ-system level of organization, in relationship to homeostasis, with appropriate laboratory methodology. 2 Lec/4 Lab.

349 Cooperative Study: Biology. (1-8) A. Work in placements related to academic studies One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit. May not be used to satisfy area, major, or minor requirements

371 Neuroanatomy. (3) I, II. Prerequisite: BIO 171 or instructor approval. Anatomy of the nervous system and the relationships to functions of systems of the human body May not be used to satisfy area, major, or minor requirements in the Department of Biological Sciences 2 Lec/2 Lab

378 Human Physiology Laboratory. (1) I, II. Prerequisite or corequisite: BIO 301. A series of experiments will be presented which will allow students to demonstrate some of the typical physiological processes of animals as these relate to human physiology May not be used to satisfy area, major, or minor requirements 2 Lab Gen. Ed. 13 with BIO 301.

381 Principles of Wildlife Management. (3) I. Prerequisites: BIO 211 and 316. Basic principles of wildlife management and their application to current problems.

382 Wildlife Techniques. (4) I. Prerequisite or corequisite: BIO 381. Techniques used in wildlife ecology, emphasizing habitat evaluation and manipulation, population estimation, and management. 2 Lec/4 Lab.

399 Trends in The Biological Sciences. (1-4) A. Prerequisite: instructor approval. A presentation of selected topics in the biological sciences reflective of new developments and current trends in scientific advancement. May be retaken to a maximum of six hours. Gen. Ed. 15 or 16.

489 Field Studies in Wildlife. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Field studies designed to enhance the student's wildlife management techniques. Required of all wildlife management majors during the junior or senior year. May be retaken to a maximum of three hours.

490 Biology Seminar. (1) I, II. Prerequisite: junior or senior standing in biology. Students and members of the faculty meet to present, discuss, and exchange ideas on selected topics, based on the scientific literature for the biological sciences.

510 Biostatistics. (3) I. Prerequisite: MAT 107 or instructor approval. Statistical analysis of biological data. Students participate in the taking and processing of data by the use of well-established statistical techniques. 6 Lab-Disc.

514 Evolution. (3) I, II. Prerequisite: BIO 315 or instructor approval. Processes of organic evolution with emphasis on the theory of natural selection.

518 Parasitology. (3) A. Prerequisite. BIO 211. Principles of parasitology, including basic morphology, classification, life cycles, and host-parasite relationships. 2 Lec/2 Lab.

521 Plant Ecology. (3) A. Prerequisite: BIO 131, 335 or instructor approval. Ecological concepts and principles relevant to plant populations and communities. Emphasis on flora and vegetation of Eastern United States with field trip through the Southern Appalachians.

522 Grasses and Grasslands. (3) I. Prerequisite: instructor approval. Development and composition of grasslands; phylogeny, classification, and identification of grasses. Emphasis on North American grasses and grasslands with field trips to native and managed grasslands. 1 Lec/4 Lab.

524 Phycology. (3) A. Prerequisite: BIO 131. Morphology, taxonomy, ecology, and the economic importance of freshwater algae. 2 Lec/2 Lab.

525 Aquatic and Wetland Plants. (3) A. Prerequisite: BIO 131. Collection, systematics, distribution, ecology, and reproduction of aquatic and wetland vascular plants. 1 Lec/4 Lab.

527 Immunology. (3) A. Prerequisites: BIO 320 and CHE 361; or instructor approval. Characteristics of immune reactions at the molecular level and *in vivo*. Nature and interactions of antigens and antibodies, and allergic phenomena. 2 Lec/3 Lab.

528 Virology. (3) A. Prerequisite: BIO 320 or instructor approval. Fundamentals of classification, structure, and pathogenesis of viruses. Host-virus interactions and their applications to medicine and industry. Viral related areas of immunology, cell culture procedures, and applications will be introduced.

530 Microbial Physiology and Genetics. (3) A. Prerequisites: BIO 315, 320, and CHE 361; or instructor approval. A study of microbial genetics, metabolism, nutrition, and the effects of chemical and physical environments upon microorganisms in their habitats, with emphasis upon microbes of economic, human, and industrial importance.

531 Principles of Molecular Biology I. (4) A. Prerequisites: BIO 315, CHE 361, and 366; or instructor approval. An in-depth study of the structure, function, and biochemistry of nucleic acids and proteins. Laboratory experiences will involve manipulations of DNA and protein molecules for the purpose of isolation, purification, and structural modification. 2 Lec/4 Lab.

532 Conservation Biology. (3) L. Prerequisite: BIO 316 or instructor approval. Examination of principles and practices of conserving global biological diversity. Causes, consequences and rates of extinction. Application of philosophical, biological, sociological, and legal principles to the conservation of genes, species and ecosystems.

536 Dendrology. (3) I. Prerequisite: BIO 131 or instructor approval. Woody plant taxonomy with emphasis on field identification of trees and shrubs in summer and winter conditions; habitats and distributions; economic importance, forest regions of North America. 1 Lec/4 Lab.

542 Freshwater Invertebrates. (3) A. Prerequisite: BIO 141 or instructor approval. Collection, systematics, distribution, behavior, ecology, and life histories of terrestrial and freshwater invertebrates. 1 Lec/4 Lab.

546 Histology. (4) II. Prerequisite: BIO 211. Microscopic anatomy of normal vertebrate cells, tissues, and organs. 2 Lec/4 Lab.

547 Comparative Vertebrate Embryology. (4) II. Prerequisite: BIO 211. Gametogenesis, fertilization, morphogenesis, and organogenesis of the frog, bird, and mammal. Particular emphasis is placed on mammalian development. 2 Lec/4 Lab.

550 Animal Behavior. (4) A. Prerequisite: BIO 211. Advanced study of behavior with emphasis on inherited behavioral patterns in relation to the evolution and ecology of animals. 3 Lec/2 Lab.

553 Mammalogy. (3) A. Prerequisite: BIO 316 or 342, or instructor approval. Classification, natural history, field methods, and distribution of mammals. 1 Lec/4 Lab.

554 Ornithology. (3) A. Prerequisite: BIO 211 or instructor approval. Avian biology with emphasis on field identification of local avifauna, anatomy, physiology, ecology, evolution, migration, economic importance, distribution, and behavioral patterns. Early morning field trips required. 2 Lec/4 Lab.

555 Behavioral Ecology. (3) A. Prerequisite. BIO 316 or instructor approval. How behavior is influenced by natural selection in relation to ecological conditions. Emphasis on quantitative and experimental methods and on integrating theoretical ideas with field and laboratory evidence.

556 Herpetology. (3) A. Prerequisite: BIO 141 or instructor approval. Natural history of the amphibians and reptiles including taxonomy, general ecology, behavior, distribution, breeding, and food habits. 2 Lec/3 Lab.

557 Ichthyology. (3) A. Prerequisite. BIO 141. A phylogenetic examination of morphological, ecological, and behavioral diversification of fishes of the world, with special attention to the Appalachian fauna. Laboratory devoted to anatomy, identification, and reproductive strategies. 6 Lec-Lab.

558 Freshwater Ecology. (3) A. Prerequisite: BIO 316 or instructor approval. Ecology of lakes and streams with special reference to physical, chemical, and biological factors. To include a variety of methods and instruments. 1 Lec/4 Lab-Disc.

561 Fisheries Biology. (3) A. Prerequisite: BIO 557 or instructor approval. Study of life histories, anatomy, physiology, conservation and causes of habitat deterioration, economic and ecological importance, and methods of commercial and recreational management and harvest of fishes. 6 Lec-Lab.

585 Wildlife Resource Policy and Administration. (3) A. Prerequisite: BIO 381 or instructor approval. Discussion of state, regional, national, and international policies and agencies which impact management of wildlife resources; with emphasis in North America.

586 Migratory and Resident Wildlife Ecology and Management. (4) II. Prerequisites: BIO 382, 553, and 554 or as corequisite. Advanced study of management and ecology of migratory birds and resident forest, farm, rangeland, and wilderness species, both game and non-game. 2 Lec/4 Lab.

587 Nongame Wildlife Management. (3) A. The strategies employed to manage nogame wildlife in North America will be discussed with emphasis on current management strategies, suburburn/urban habitats, and endangered species.

597 Instrumentation and Biological Methodology. (2) I. Prerequisite. BIO 211. Methodological approaches and theory of instrumentation applicable to biological research and biomedical technology will be presented, with emphasis on types of electrophoresis, methods of chromatography, spectrophotometric analysis, radiation measurements, radioimmunoassay techniques, and basic biochemical calculations. 4 Lab.

598 Special Problems. (1-3) I, II. Prerequisites: junior or senior standing, students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Independent research in the biological sciences, under the guidance of a faculty member, which allows students to design a research problem and make experimental observations and conclusions. May be retaken to a maximum of four hours.

599 Topics in Biological Sciences. (1-6) A. Prerequisites: BIO 211 and instructor approval. Special topics in the biological sciences of current interest to faculty and students will be presented through lecture, discussion, and reports. May be retaken to a maximum of six hours.

CAH—Interdisciplinary
Dr. Dominick Hart, Acting Dean
251 Case Annex

515 Topics in Humanities:_____. (1-3) A. An experimental course designed to investigate relevant topics in Arts and Humanities.

CBO—Business Orientation
Dr. Robert B. Rogow, Dean
317 Combs

100 Academic Orientation. (1) I. Designed to orient the student to university academic life and provide background for career choice and preparation. Included are University regulations and calendar, *Catalog* details, registration and preregistration, various career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU, beyond that open to students with fewer than 30 semester hours earned.

CDF—Child and Family Studies
Dr. Diane Maynard, Chair
102 Burrier

132 Family Living. (3) I, II. Stages of development of the individual family members and of the family as a unit, biological, cultural, and personal accomplishments (developmental tasks) of the family throughout the life cycle will be emphasized. Credit will not be awarded to students who have credit for SOC 245.

232 Identity and Sexuality. (3) I, II. An exploration of the changing attitudes about and among men/women and their effect on choices and interpersonal relationships. Emphasis will be on promotion and maintenance of positive mental, physical, emotional, and sexual development. Credit will not be awarded to students who have credit for HEA 375.

241 Prenatal and Infant Development. (3) I, II. Growth and development from conception to three years.

243 Introduction to Community-Based Family Involvement. (3) A. Prerequisites: CDF 132. Survey of theories and models related to community-based family involvement. Examination of community programs which focus on forming partnerships with families to support child development and family well-being.

244 Development of Preschool Child. (3) I, II. Age level characteristics and theory pertinent to the preschool child. Special emphasis on observational assessment skills and the construction of individual case studies.

247 Family Involvement with Young Children. (3) I, II. Prerequisites: CDF 345 or instructor approval. Study of effective home- school

relationships during the early childhood period. Methods and materials useful in working with families. Experiences include family meetings, planning discussion groups, home visits, and parent conferences.

248 Introduction to Early Childhood Experiences. (3) I. Formerly CDF 348. Prerequisites: CDF 244 and 345. Examination of models of preschool education including history, goals, philosophies, materials, environments, and methods of child management. Designed to serve as preparation for practical experience in early childhood setting

331 Marriage: Establishing Interpersonal Relations. (3) I. The process within and types of intimate relationships in contemporary times Topics include selecting a partner, choosing to be single, divorce, remarriage, blended families, and factors which affect the success of intimate relationships

342 **Child and Adolescent Development. (3) I.** Physical, mental, emotional, and social development of the child from school age to adolescence, case studies, observations, and participation experiences with children culturally advantaged and disadvantaged

344 Program Planning for Infants and Toddlers. (3) I, II. Prerequisite: CDF 241. Planning, implementation, and evaluation of developmentally and culturally appropriate environments for infants and toddlers. Emphasis is placed on the caregiver-infant relationship, developmental assessment, laboratory and field experiences, and environmental adaptations for special needs.

345 Program Planning for Young Children. (3) I, II. Formerly CDF 245 Prerequisites: CDF 244 or instructor approval. Survey of learning experiences in various curriculum areas. Planning activities, including techniques and materials, to provide environment appropriate to the age and background of young children.

346 Assessment, Creative Materials, and Concept Development. (3) A. Prerequisites: CDF 244 and 345; or instructor approval. Overview of informal and formal assessment within the context of early childhood classrooms Survey of theories supporting play-based assessment. Focus on selection and implementation of appropriate assessment tools. Creative planning for individualized learning opportunities.

349 Cooperative Study in Child Development. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit. Maximum of three hours may be counted in major requirements toward degree.

350 Early Childhood Practicum. (6) I, II. Prerequisites CDF 248 (or corequisite) and 345, 2.5 cumulative GPA, and minimum grade of "C" in all courses with a CDF prefix Practicum in preschools focusing on structuring the environment, directing learning experiences, developing techniques for guiding young children, and arranging effective communication for parent involvement Meetings for planning, discussing, and making decisions relative to preschool operation

437 Families Under Stress. (3) A. Prerequisite: CDF 132 or instructor approval. A detailed examination of family functioning under crisis situations The impact of death, divorce, middle age, unemployment, single parenthood, displacement, and disability on individual members of the family will be considered

441 Adulthood and Aging. (3) A. Individual and familial development from young adulthood though death. Particular focus on changing family roles as members age. Emphasis on social changes affecting life satisfaction, living environments, and social relations of the middle-aged and elderly

443 Family Studies Practicum. (6) A. Prerequisites: CDF 132, 243, and 247; 2.5 cumulative G.P.A. Supervised practicum experience in community-based family involvement programs such as family resources and youth service centers, Head Start, PACE (Parent and Child Education), Child-life programs in hospitals for children, etc.

449 Special Problems in Child Development. (1-3) A. Prerequisites: instructor approval and a 3.0 GPA (major). May be retaken to a maximum of six hours provided topics vary. The student chooses a problem and works under the supervision of the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

499 Supervised Teaching IECE. (12) I, II. Prerequisites: Completion of all major courses, supporting courses, special education minor, and professional courses. Practice teaching in programs for children ages birth through five years focusing on organizing environments for learning, planning and implementing developmentally appropriate curricula, selecting and implementing guidance strategies, assessing individual strengths and concerns of children and their families and colleagues for the benefit of children.

534 Parenting. (3) A. Prerequisites: CDF 132, 241, and 244 or equivalent, or instructor approval. A survey of techniques designed to promote effective parenting skills. The course will focus on methods of parent guidance and common problems encountered by parents at all stages of the child-rearing sequence.

538 Seminar in Family Life: _____. (3) A. Prerequisites. CDF 241, 244, and six hours in CDF; or instructor approval. Students will concentrate their interests in an intensive study of specific areas of the family and its interpersonal relationships. May be retaken to a maximum of six hours provided the topics vary.

541 Infant-Toddler Development and Group Care. (3) A. Growth and development from conception to three
years Emphasis on family intervention, appropriate policies and practices for group care, assessment, disabilities, multicultural and gender issues, and caregiver professional growth.

544 Early Childhood Development and Program Planning. (3) A. Theory pertinent to early childhood development and learning including constructivism, socially-mediated intelligence, multiple intelligences and creativity. Emphasis on emergent curriculum and teaching strategies reflecting social collaboration such as webbing, project work, and multimedia documentation.

546 Building School, Family, and Community Partnerships. (3) A. Prerequisites: CDF 541 or 544 or 741 or 744. Study of methods for building partnerships among early childhood school personnel, family members, and the community with the growth and development of the child as a focus. Reflects contemporary lifestyles, culture, and current societal issues.

547 Organization and Administration of Early Childhood Programs. (3) II. Prerequisite: CDF 345 and 248 or instructor approval. Review of the theories influencing the definition of goals, philosophies and rationales for establishment of early childhood programs (0-5), study of the procedures for organizing early childhood programs, and discussion of the management processes for administering quality early childhood programs.

548 Seminar in Child Development: _____. (3) II. Prerequisites: CDF 241, 244, and six hours in CDF; or instructor approval. Current concepts and trends in child development, recent research, and literature. May be retaken to a maximum of six hours provided topics vary.

550 Child and Family Studies Topics: _____. (1-3) A. Study of various topics in child and family studies selected to meet student needs and interests. May be retaken to a maximum of six hours provided topics vary.

CHE—Chemistry
TBA, Chair
337 Moore

101 General Chemistry I. (4) I, II. For students who will take only one year of chemistry. Chemical bonding, structure of matter, chemical equilibrium, and descriptive inorganic chemistry. Credit will not be awarded to students who have credit for CHE 105 or CHE 111. 3 Lec/2 Lab. Gen. Ed. 14.

102 General Chemistry II. (4) I, II. Prerequisite. CHE 101. Continuation of CHE 101, emphasis on elementary organic chemistry, biochemistry, and industrial chemistry. Credit will not be awarded to students who have credit for CHE 106. 3 Lec/2 Lab.

105 Chemistry for the Health Sciences I. (4) I, II. An introductory course for students in allied health. Principles of bonding, structure, and reactivity related to biological processes. Credit will not be awarded to students who have credit for CHE 101 or CHE 111. 3 Lec/2 Lab. Gen. Ed. 14.

106 Chemistry for the Health Sciences II. (4) I, II. Prerequisite: CHE 105. Continuation of CHE 105 with emphasis on biochemical compounds. Credit will not be awarded to students who have credit for CHE 102. 3 Lec/2 Lab.

111 Introductory Chemistry I. (4) I, II. Prerequisite or Corequisite: ACT math score of 19, or MAT 107, or equivalent. Prepares student for further study in chemistry, nomenclature, structure, stoichiometry, bonding, chemical change. Credit will not be awarded to students who have credit for CHE 101 or CHE 105. 3 Lec/2 Lab. Gen. Ed. 14.

112 Introductory Chemistry II. (5) I, II. Prerequisite: CHE 111 with a grade of "C" or better. Continuation of CHE 111. Coordination compounds, descriptive inorganic chemistry, solution chemistry, and analytical chemistry. 3 Lec/4 Lab.

325 Quantitative Analytical Chemistry. (4) A. Prerequisite: CHE 112 with a grade of "C" or better. Introductory course in gravimetric, volumetric, colorimetric, and electrometric analysis, including the interpretation of chemical data and calculations. 2 Lec/6 Lab.

330 Introductory Biochemistry. (4) A. Prerequisites: CHE 102 or 361 and 366; or instructor approval. May not be used to satisfy B.S. Chemistry requirements. Compounds and reactions of biological and nutritional importance. Amino acids, proteins, lipids, carbohydrates, vitamins, enzyme systems, digestion, absorption, pathways. 3 Lec/2 Lab

349 Cooperative Study: Chemistry. (1-8) A. Work in placements related to academic studies One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment required for each semester hour of academic credit.

361 Organic Chemistry I. (4) I, II. Prerequisite. CHE 112. Corequisite: CHE 366. Bonding; structure; reaction theory; aliphatic hydrocarbons; functional groups; stereochemistry; aromatic hydrocarbons; spectroscopy; substitution and elimination reactions.

362 Organic Chemistry II. (4) I, II. Prerequisites CHE 361 and 366 Corequisite: CHE 367. Alcohols and ethers; aldehydes and ketones; carboxylic acids and derivatives; carbanions; amines; phenols, carbohydrates and amino acids.

366 Organic Chemistry Laboratory I. (1) I, II. Corequisite: CHE 361. Experimental work to illustrate principles of organic chemistry. Basic techniques and selected syntheses. A withdrawal from CHE 366 must be matched by a withdrawal from CHE 361. 3 Lab.

367 Organic Chemistry Laboratory II. (1) I, II. Prerequisites: CHE 361 and 366. Corequisite: CHE 362. Experimental work to illustrate principles of organic chemistry. Selected synthetic techniques and advanced techniques such as separation and identification. A withdrawal from CHE 367 must be matched by a withdrawal from CHE 362. 3 Lab.

470 Principles of Physical Chemistry. (4) I. Prerequisites: CHE 112, MAT 124 or MAT 261. Thermodynamics, equilibrium, electrochemistry, reaction kinetics, atomic structure, bonding, spectroscopy and selected topics.

471 Physical Chemistry I. (3) I. Prerequisites or Corequisites: CHE 325, MAT 225, and PHY 202. A functional knowledge of a computer language is expected. Thermodynamic properties of physiochemical systems; free energy and equilibria; electrochemical processes; electrolytic solutions and activity coefficients.

472 Physical Chemistry II. (3) II. Prerequisite: CHE 471. Kinetic theory of gases and reaction rates; atomic and molecular structures; spectroscopy; introductory statistical thermodynamics.

473 Physical Chemistry Laboratory. (1) I, II. Prerequisite:CHE 325, CHE 470 or CHE 471, CHE 480, or instructor approval. Prerequisite or Corequisite: CHE 480. A functional knowledge of computers is expected. Experimental work to illustrate principles of physical chemistry; thermochemistry, equilibrium, reaction kinetics; molecular spectroscopy. May be retaken to a maximum of two hours. 3 Lab.

480 Seminar I. (1) I. Prerequisite: CHE 361. Seminar series including following topics: introduction to the use of chemical literature with emphasis on computer searches in Chemical Abstracts and Internet resources; seminar preparation techniques; job search skills, career opportunities in chemistry; current research in chemistry. One weekly meeting.

481 Seminar II. (1) II. Prerequisite: CHE 480. Presentation of significant developments from recent literature to members of the chemistry faculty and departmental majors. One weekly meeting. May be retaken for a maximum of two hours.

495 Introduction to Research. (2-5) I, II. Prerequisites: CHE 361, 366, and 471, or instructor approval. Objectives and techniques of chemical research. Problems in all fields of chemistry. May be retaken to a maximum of ten hours. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

501 Chemtopics: _____. (1-3) A. Prerequisite: instructor approval. Topics to be chosen from current and/or specialized area of chemistry such as environmental chemistry or industrial chemistry. Topics will vary according to students needs. May be retaken to a maximum of six hours.

515 Analysis and Characterization. (4) II. Prerequisites: CHE 362, 367, 471, and 550; or departmental approval. Synthesis, separation, and characterization of inorganic and organic compounds and mixtures. Included will be spectroscopic techniques, preparation of derivatives and methods appropriate for handling of air sensitive compounds and those of low thermal stability. 2 Lec/6 Lab.

525 Instrumental Methods. (4) A. Prerequisites: CHE 325, 362, and 367. Corequisite: CHE 471, 473 or instructor approval. Methods of spectroscopic analysis; electrochemical methods; chromatographic methods. Emphasis placed on broad, functional approach to instrumental techniques. 2 Lec/6 Lab.

530 Biochemistry I. (4) A. Prerequisites: CHE 362, 367, and 471; or instructor approval. Chemistry, metabolism, and biosynthesis of carbohydrates, proteins, and lipids; the action of vitamins, hormones, and enzymes related to cellular metabolism and body processes. 3 Lec/3 Lab.

531 Biochemistry II. (3) A. Prerequisite: CHE 530. Continuation of CHE 530. Topics included are nucleoproteins, energetics, biological catalysis, and functions of biologically important materials.

534 Introduction to Medicinal Chemistry. (3) A. Prerequisites: one semester each in organic and biochemistry. Introductory study of medicinal agents at the molecular level. Pharmacokinetics, drug metabolism, chemical structure-medicinal activity relationships, selective toxicity.

550 Inorganic Chemistry. (3) I. Prerequisite: CHE 472 or instructor approval. Modern concepts of atomic nuclei, atomic structure, and classification of elements. Coordination compounds. Theories of bonding.

560 Mechanistic Chemistry. (3) A. Prerequisites: CHE 362, 367, and 472, or instructor approval. Survey of new reactions and comprehensive study of reaction mechanisms.

585 Principles of High Polymers. (3) A. Prerequisites: CHE 362 and 367. Preparation and characterization of high polymers; monomers, condensation, and additional polymerization; radical, anionic, and cationic initiation. Emphasis on microstructure of the polymer chain and its effect on macromolecular physical properties. 2 Lec/3 Lab.

CHO—Health, Physical Education, Recreation, and Athletics Orientation
Dr. David D. Gale, Dean
203A Rowlett

100 Academic Orientation. (1) I. Designed to orient the student to university academic life and provide information on careers and preparation for them. Learning experiences include study of university regulations, college requirements, catalog, registration, career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

CIS—Computer Information Systems
Dr. Jessica Frazier, Interim Chair
319 Combs

101 Basic Computer Concepts. (1) I, II. Introduction to computer system basics including hardware, software, and users; the merger of computer and communications technology; and the DOS/Windows operating environment using microcomputers. Credit will not be awarded to students who have credit for CIS 212 or CSC 104.

102 Introduction to Word Processing. (1) I, II. Introduction to word processor concepts. Includes creation and enhancement of documents, multipages, multidocuments, graphics, and data transfer. Credit will not be awarded to students who have credit for CIS 212 or CSC 104.

103 Introduction to Spreadsheets. (1) I, II. Fundamental concepts and common end-user applications of electronic spreadsheets. Includes creation and enhancement of spreadsheets, graphs, data management, macros, and multiple files. Credit will not be awarded to students who have credit for CIS 212 or CSC 104.

104 Introduction to Database Management. (1) A. Introduction to database concepts. Includes creating and using a file; file rearranging, reporting, and editing. File management, customized programs, and relational databases. Credit will not be awarded to students who have credit for both CIS 104 and CIS 212 or CSC 104.

105 Introduction to Presentation Graphics. (1) A. Introduction to presentation graphics concepts. Creating and saving a presentation; organizing, printing, enhancing a presentation; adding art and special effects.

212 Introduction to Computer Information Systems. (3) I, II. Introduction to computer hardware, software, and systems; communications and networks, spreadsheets, word processing, database, and presentation graphics; Internet and World Wide Web. Credit will not be awarded to students who have credit for ACS 250 or CSC 104. Gen. Ed. 03.

215 Pre-COBOL Programming. (1) I, II. Formerly CIS 140. Prerequisites: 212 or equivalent. Introduction to structured algorithm development and business problem solving concepts. DOS, Windows, and Network computer operating system concepts essential for computer application programming development will be emphasized.

225 "C" Programming in Business. (3) II. Formerly CIS 365. Prerequisite: Instructor's Consent. "C" Programming with emphasis on business applications. Include control statements, functions, arrays, pointers, input/output, and files. Credit will not be awarded to students who have credit for CSC 209.

230 Business Applications of Microcomputers. (3) I, II. Prerequisites: CIS 212 or equivalent. Advanced work processing, spreadsheets, database management, and presentation software. Successful completion assists students in passing Microsoft Office certification exams. Credit will not be awarded to students who have credit for ACS 290.

240 Introduction to Multimedia. (3) A. Introduction to multimedia concepts and multimedia authoring using design procedures and tools. Provides students with hands-on experience in the design, coding, and development of Computer Based Training (CBT) applications.

250 COBOL Programming. (3) I, II. Prerequisite: CIS 215 or equivalent. Programming of business oriented problems in COBOL. Major topics include report generation, business computation and intrinsic functions, array handling, sort techniques, file organization and access methods, and library and subprogram utilization.

300 Management Information Systems. (3) I, II. Fundamentals of management information systems, MIS subsystems, the role of MIS in business, management of information resources, current trend and the future development in information processing and management.

349 Cooperative Study in Computer Information Systems. (1-3) A. Prerequisites: GPA 2.25 and BBA major, only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. Normally limited to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

355 Advanced COBOL Programming. (3) I, II. Prerequisite: CIS 250 or equivalent. Advanced programming using embedded database system access together with objected-oriented COBOL programming concepts and COBOL Web programming methodology.

360 Computer Information Systems Internship. (2-4) A. Prerequisites: GPA of 2.25 and advisor/departmental approval. Practical experience in computer information systems.

370 Seminar in Computer Information Systems. (1-3) A. Prerequisite: instructor approval. Selected topics of special and contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

375 Fundamentals of Telecommunication. (3) A. Prerequisite: CIS 300 or equivalent. Fundamental concepts, definitions, and theory of telecommunication. Completion assists students in passing Microsoft Networking Essentials certification exam.

380 Systems Development. (3) I, II. Prerequisite: CIS 250. Information systems development life cycle with the emphasis on systems analysis and conceptual design. Introduction to computer-assisted software engineering and project management.

400 Strategic Information Systems. (3) A. Prerequisites: Instructor approval. Modeling, problem-solving concepts in design, application of strategic systems for accounting, finance, marketing, operations management and small business. International, social, ethical issues included

435 Data Base Management. (3) I, II. Prerequisites: six hours CIS including CIS 250. Basic concepts of database systems. Coverage includes a comparison of database oriented systems design and file oriented systems design, normalization of data, relational data modeling and design methologies, data models, and query language use

436 Advanced Data Base Management. (3) A. Prerequisite: CIS 435. An in-depth study of data base management to include advanced and current database topics. Coverage includes advanced data modeling and relational database design and implementation to include current technologies and techniques.

475 Advanced Telecommunications. (3) A. Prerequisite: CIS 375 or permission of instructor. More in-depth coverage of telecommunications and networking to include installation and configuration, managing resources connectivity, running applications, monitoring and optimization, trouble shooting, and resources

476 Decision Support and Expert Systems. (3) I. Prerequisites: CIS 380 and 435. Course focus is on design, development, implementation, and contribution of DSS and ES to management planning, decision making, and control. Students will design and validate model-based DSS, data based DSS, and expert systems to aid managerial problem solving

480 Information Systems Design and Implementation. (3) I, II. Prerequisites: CIS 380 and 435. Strategies and techniques of structured analysis and design of information systems, application of computer programming and system development concepts and principles to a comprehensive system development project: analysis, design, and implementation

490 Special Problems in Computer Information Systems. (1-4) A. Prerequisite: advisor/departmental approval. Independent study in information systems. May be retaken under different sub-topics to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

CLS—Clinical Laboratory Science
Dr. David Hufford, Chair
220 Dizney

201 Introduction to Clinical Pathology. (3) II. Open to all students. Techniques common to clinical laboratories. Stresses basic physical and chemical principles of disease process. 4 Lec/Lab.

203 Clinical Laboratory Skills. (1) I, II. Prerequisite: CLS major or instructor permission. Basic skills for clinical laboratory practitioners, including laboratory safety, phlebotomy, microscopy, pipetting, universal precautions, and principles of quality assurance.

300 Clinical Laboratory Methods. (2) I. Prerequisite: enrollment in upper division plan or instructor approval. Lab calculations, instrumentation, and quality assurance. 2 Lec.

305 Analysis of Body Fluids. (2) I. Prerequisite: enrollment in upper division plan or instructor approval. Principles, procedures, and significance of analysis of urine, spinal fluid, and other fluids commonly examined in the clinical laboratory. 3 Lec/Lab.

308 Clinical Serology. (2) I. Prerequisite: pre-CLS or CLS major or instructor approval. Principles, procedures, sources of error, and clinical application of serological tests, immune mechanisms, specimen collection; procedures include ASO, VDRL, RA, LE, IM, Rubella, Cold Agglutinins, fluorescent antibodies, and others. 4 Lec/Lab.

309 Clinical Immunology. (1) I, II. Prerequisite: pre-CLS, CLS major, or instructor approval. Principles and techniques of antigen-antibody reactions of the human immune system and their relationship to the clinical laboratory.

310 Hematology and Coagulation. (5) I. Prerequisite: enrollment in upper division plan or instructor approval. Morphology of blood, determination of blood parameters and dyscrasias; mechanisms and procedures in coagulation. 6 Lec/Lab.

320 Immunohematology. (3) II. Prerequisite: enrollment in upper division plan or instructor approval. Blood banking, blood grouping, phenotyping, cell panels, compatibility testing, and transfusion practices. 2 Lec/2 Lab.

346 Clinical Chemistry. (6) II. Prerequisite: enrollment in upper division plan or instructor approval. Introduction to theory and lab procedures, measurement of constituents of body fluids, instrumentation, and clinical interpretation of results in relation to biochemistry of human systems. 3 Lec/6 Lab.

350 Bacteriology and Virology. (5) I. Prerequisite: BIO 211 or permission of the instructor, and admission to the upper division CLS program. Study of medically important bacteria with emphasis on the clinical laboratory methods of microscopy, cultivation, identification, antimicrobial susceptibility testing, and quality control. Includes study of rickettsiae, mycoplasms, chlamydiae, and fundamentals of clinical virology. 3 Lec/4 Lab.

355 Mycology and Parasitology. (4) II. Formerly CLS 411. Prerequisites: BIO 211 or permission of the instructor, and admission to the upper division CLS program. Study of fungi and parasites as agents of human disease, with emphasis on the clinical laboratory methods of microscopy, in vitro cultivation, identification, and quality control. 3 Lec/1 Lab

404 Cytopreparatory Techniques. (3) I. Prerequisite: enrollment in cytotechnology program. Experiences in various preparatory techniques including methods of obtaining and staining specimens. Experiences with clerical procedures, and understanding laboratory safety

406 Cytology Seminar. (3) I. Prerequisite: enrollment in cytotechnology program. Experience in the areas of administration, professional relationships with physician and hospital personnel, patient management, quality control and professional ethics.

408 Cytology Female Genital Tract. (9) I. Prerequisite: enrollment in cytotechnology program. Study normal cells cyclic variation, reactions to infections, injury and hormonal abnormalities. Criteria for premalignant and malignant changes. Study the pathogenesis and histopathology related to cytodiagnoses.

410 Cytology Respiratory Tract. (3) II. Prerequisite: enrollment in cytotechnology program. Cyto diagnosis of disease of the respiratory tract. Anatomy, histology and physiology as related to normal and abnormal cellular morphology. Methods of specimen collection and processing are discussed.

412 Cytology Body Cavity Fluids. (3) II. Prerequisite: enrollment in cytotechnology program. Ctyo diagnosis of diseases of body cavity fluids. Anatomy, histology and physiology as related to normal and abnormal cellular morphology. Methods of specimen collection and processing are discussed.

414 Cytology Breast. (3) II. Prerequisite: enrollment in cytotechnology program. Cytodiagnosis of diseases of the breast fluids. Anatomy, histology and physiology as related to normal and abnormal cellular morphology. Methods of specimen collection and processing are discussed.

416 Cytology Gastrointestinal Tract. (3) II. Prerequisite: enrollment in cytotechnology program. Cytodiagnosis of diseases of the gastrointestinal tract. Anatomy, histology and physiology as related to normal and abnormal cellular morphology. Methods of specimen collection and processing are discussed.

418 Cytology Urinary Tract. (3) II. Prerequisite: enrollment in cytotechnology program. Cytodiagnosis of diseases of the urinary tract. Anatomy, histology and physiology as related to normal and abnormal cellular morphology. Methods of specimen collection and processing are discussed.

420 Cytology Body Sites. (3) A. Prerequisite: enrollment in cytotechnology program. Cytodiagnosis of diseases of the miscellaneous body sites. Anatomy, histology and physiology as related to normal and abnormal cellular morphology. Methods of specimen collection and processing as discussed.

422 Cytology Aspiration. (4) A. Prerequisite: enrollment in cytotechnology program. Introduction to the techniques of fine needle aspiration biopsy. Provides a systematic approach to the study of aspiration biopsy cytology.

431 Clinical Correlations. (3) I, A. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Correlates the sub-disciplines of clinical laboratory science. Reviews all areas and stresses laboratory medicine in the health professions. 3 Lec.

432 Clinical Chemistry Practicum. (5) II, A. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Diagnostic chemical procedures in an affiliated laboratory

434 Clinical Microbiology Practicum. (4) I, II. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses and BIO 520. Clinical bacteriology, parasitology, and mycology in an affiliated laboratory

436 Lab Management Practicum. (1) I, II. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Principles of managing a medical laboratory presented in an affiliated laboratory.

437 Clinical Laboratory Seminar. (3) I, II. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Case studies, advanced procedures, and problem solving in the clinical laboratory

438 Hematology Practicum. (4) I, A. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Diagnostic blood morphology studies in an affiliated laboratory.

439 Urinalysis Practicum. (1) I, A. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Diagnostic urine procedures in an affiliated laboratory

440 Blood Bank Practicum. (2) II, A. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Practical blood banking in an affiliated laboratory.

441 Immunology Practicum. (1) I, II, A. Prerequisites: enrollment in upper division plan and completion of all 300-level CLS courses. Practical immunology in an affiliated laboratory

CLT—Clinical Laboratory Technology
Dr. David Hufford, Chair
220 Dizney

201 Urinalysis. (1) I, II. Prerequisite: admission to CLT program or instructor approval. Corequisite: CLT 205 and CLT 206. Clinical lab procedures used in the analysis of urine and other body fluids. 4 Lec/Lab.

202 Hematology. (3) II. Prerequisite: admission to CLT program. Clinical procedures used in hematology and coagulation. 4 Lec/Lab.

203 Clinical Chemistry. (3) I. Prerequisite: admission to CLT program. Clinical procedures used in clinical chemistry and parasitology. 4 Lec/Lab.

204 Immunology/Blood Banking. (2) I. Prerequisite: admission to CLT program or instructor approval. A study of the immune system, clinical serology, and blood banking and the lab techniques associated with each area. 4 Lec/Lab.

205 Practicum I. (7) I, II. Corequisite CLT 206. Prerequisites: CLT 201, 202, 203, and 208. Administrative policies, hematology, serology, and blood banking in an affiliated hospital.

206 Practicum II. (6) I, II. Corequisite: CLT 205. Prerequisites: CLT 201, 202, 203, and 208. Clinical chemistry and microbiology in an affiliated hospital.

207 Technical Correlations. (2) I, II. Prerequisites: CLT 201, 202, and 203. Relationships among CLT topics. Stresses mastery of subdisciplines at technician level, clinical significance, and interpretation of lab requests. 2 Lec.

208 Clinical Techniques. (1) I, II. Prerequisite: admission to CLT program or instructor approval. Prerequisite or Corequisite. CHE 111. Introduction to the laboratory including laboratory techniques, laboratory mathematics, safety, venipuncture, and spectrophotometry.

209 Diagnostic Microbiology. (5) I. Prerequisites: Admission to the CLT program or instructor permission. Study of clinical microbiology with emphasis on laboratory methods of detection, isolation, and identification of bacterial, fungal, and parasitic agents of human disease. 3 Lec/4 Lab.

CNM—Interdisciplinary
Dr. Dominick Hart, Acting Dean
184 Memorial Science

101 Cosmos and Evolution I: An Exploration of Nature. (3) I, II. This science course integrates the biological and physical sciences by exploring centrally significant ideas that attempt to explain major events that have transformed the universe, the earth, and life on earth. 2 Lec/2 Lab.

102 Cosmos and Evolution II: An Exploration of Nature. (3) I, II. This science course integrates the biological and physical sciences by exploring centrally significant ideas that attempt to explain major events that have transformed the universe, the earth, and life on earth. 2 Lec/2 Lab.

315 Topics in Natural Science General Education: _____. (3) A. An experimental course designed to be used for general education credit in fulfilling the requirements of course categories 15 or 16 in Area IV.

499 Independent Work. (3-6) A. Prerequisite: cumulative GPA 2.5 up to last semester of program in B.I.S. degree. Independent research and/or field work required for the program of B.I.S. degree. Student must have the independent study proposal form approved by the student's B.I.S. Advisory Committee.

COM—Communications
Dr. Ron Wolfe, Chair
109 Alumni Coliseum

200 Mass Media and Society. (3) I, II. Introduction to mass media issues. Analyzes mass media impact on social, political and economic sectors of American and world societies. Considers issues and trends, including ethics, legal controls, violence and censorship. Gen Ed 12.

201 Writing and Reporting News I. (3) I, II. Prerequisites: ENG 101 or 105 and ability to keystroke 25 words per minute. Study of the elements of news for print and electronic media; style, structure, sources, interviewing, story types, libel and ethics. Practice in gathering, writing and evaluating news.

260 Film Genre: _____. (3) I, II. Formerly COM 250. Study of the types of motion pictures. Analysis and critical evaluation of the typical elements of a genre, both visual and dramatic. May be retaken to a maximum of six hours with different course content.

290 Topics in Communications: _____. (1-3) A. Prerequisite: will vary with course offering. Special topics beyond the scope of regularly offered courses. May be retaken to a maximum of nine hours provided the subject matter differs each time. Specific topics included in the schedule.

300 International Media. (3) I, II. Prerequisite: COM 200 or permission of instructor. Development and operations of world mass communication channels and agencies. Comparative analysis of media, media practices, and flow of news and entertainment throughout the world. Print, public affairs, radio, and television systems will be studied in terms of relevant social, political, economic, geographic, and cultural factors.

301 Writing and Reporting News II. (3) I, II. Prerequisites: COM 201. Advanced study of news for print and broadcast media. Includes source development, deadline reporting, visual reporting, electronic news sources, in-depth reporting. Introduction to court and government reporting.

309 Integrated Marketing Communications. (3) A. Cross listed as MKT 309 and TEC 309. A course covering the theories, strategies and skills of Integrated Marketing Communication, with a special emphasis on applying IMC to the Internet and the World Wide Web (WWW). Credit will not be awarded to students who have credit for MKT 309 or TEC 309.

320 Desktop Publishing for Media. (3) I, II. Introduction to desktop publishing in mass communications, using personal computers and appropriate software programs. Practice in the production of information graphics, newsletters, advertisements, and other mass media messages. Can count as JOU elective.

325 Advertising Copy and Production. (3) I, II. Prerequisites: ENG 102 or ENG 105 and the ability to keystroke 25 words per minute. Introduction to copywriting and production for electronic, print and other advertising media. Emphasis on advertising strategy, motivation, appeals, visualization and layout. Applies research and communication theory to creation of advertising.

330 Sportswriting and Reporting. (3) I, II. Writing and producing of game, feature and interview stories for print and broadcast. Will include play by play, sports commentary and analysis. (May be counted as JOU/BEM elective).

345 Literature and Film. (3) A. Cross listed as ENG 345. Prerequisites: ENG 101 and 102 (or 105). Examination of the relationships between film and literature through a comparative study of the stylistic and technical elements of the two media. Credit will not be awarded to students who have credit for ENG 345.

349 Cooperative Study: Media Sales. (1-8) A. Prerequisites: junior standing, "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisor in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen baccalaureate. A minimum of 80 hours work required for each academic credit. May not satisfy major or minor requirements within the department.

350 Cinema History I. (3) A. Historical survey of cinema from its origins to the early artistic successes in sound. Examines developments in directing, acting, editing, and other areas of cinema as an art form. Feature length and short films viewed. Gen. Ed. 08.

351 Cinema History II. (3) A. Historical survey from the development of sound to the present. Includes theories, styles, and critical positions related to the sound film and considers origins and implications for future directions. Feature length and short films viewed. Gen. Ed. 08.

353 The Art and Craft of Screenwriting. (3) A. Conceiving, structuring, writing and marketing the contemporary American screenplay. Requires developing and writing original screenplays for marketing in the contemporary film environment.

390 Fundraising. (3) I, II. An overview of fundraising, including planning, organization, management, marketing, and the common sense needed to raise money from private sources.

400 Studies in Communications: _____. (1-3) A. Prerequisite: will vary with course offering. Study of specific areas of communications through workshops, short courses, institutes, or through the presentation of a specific course which examines timely, topical, or specialized concerns in the field. Specific topic included in schedule. May be retaken to a maximum of nine hours.

405 Media Law. (3) A. Prerequisite: COM 201, 301 or BEM 375. Examination of legal philosophies relating to the media, including press freedom, copyright, libel, slander, privacy, free press/fair trial, and regulation. Emphasizes the legal rights and responsibilities of the media.

415 Media Ethics. (3) A. Prerequisite: COM 201, 301 or BEM 375, or instructor approval. Examination of ethical standards and practices of the mass media. Includes development of ethical decision-making skills.

420 Mass Communications Research. (3) I, II. Introduction to the research process, research approaches, basic statistics, and applied research in the field of mass communications.

425 Media Planning and Buying. (3) I, II. An introduction to the process of media planning and buying. Emphasis on basic measurements and calculations, reach and frequency, strategy, evaluation, and budgeting.

430 Legislative Reporting. (3) A. Prerequisite: JOU 401 or BEM 401, or instructor approval. Reporting on the state legislature for print and broadcast media. Counts as JOU/BEM elective.

445 Broadcast and Cable Promotion. (3) I, II. Study of broadcast and/or cable promotion in the areas of writing, production, marketing, and public relations. Includes exercises in promotions. Counts as BEM elective.

460 Advanced Film Genre: _____. (3) I, II. Detailed study of the types of motion pictures. Requires independent research, extended analysis, and critical evaluation of films. May be retaken to a maximum of six hours with different course content. May not be taken concurrently with COM 260.

471 Media Sales. (3) A. Problems and practices of both print and electronic media sales. Includes case studies in both print and broadcast sales development (local, regional, and national), pricing, production, promotion, and basic sales campaigns. May count as JOU/BEM credit.

490 Media Campaigns. (3) A. Prerequisites: COM 320, 325, and 425. Design and execution of a complete advertising/media campaign based on an actual case study. Includes primary research, media planning, creative design/execution, and evaluation. Students produce professional quality advertising materials for national competition. Credit will not be awarded to students who have credit for MKT 426.

491 Senior Seminar. (1) I, II. Prerequisites: Completion of 90 hours and one hour of cooperative education or practicum. Evaluates students' progress toward a career in mass communications, especially the development of a portfolio, and develops job search strategies and skills. Includes assessment of instruction and curriculum.

495-496-497-498-499 Special Problems in Communications. (1-3 each) A. Prerequisite: Students must have the independent study proposal form approved by faculty supervisor and

department chair prior to enrollment. Six hours maximum credit through any combination of 495, 496, 497, 498, 499. Credit may not count toward a major or minor within the department.

495 Public Relations. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

496 Film. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

497 Journalism. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

498 Radio. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

499 Television. (1-3) A. Topic selection and supervisor approval required before enrollment. May be retaken to a maximum of three hours.

550 Readings in Mass Communications. (3) A. Prerequisites: instructor approval and senior standing. Critical reading of selected books and magazines relating directly or indirectly to mass communications. Features reviews and seminar discussions of readings chosen to reflect individual student's interests.

CON—Construction Technology
Dr. William E. Davis, Chair
307 Whalin

121 Introduction to Construction. (3) I, II. A survey of the construction industry. Nature, scope, and general characteristics of the industry. Careers in construction.

201 Materials and Methods of Construction I. (3) I, II. Composition, manufacture, types, and grades of construction materials and building products with emphasis on wood, metal, and plastic materials. Methods, including safety, involved in the placement and installation of these materials. 2 Lec/3 Lab.

202 Materials and Methods of Construction II. (3) I, II. Composition, manufacture, types, and grades of construction materials and building products with an emphasis on concrete, masonry, glass, roofing, and finishing materials. Methods, including safety, involved in the placement and installation of these materials. 2 Lec/3 Lab.

221 Plane Surveying. (3) I. Prerequisite: MAT 108. Principles of surveying, including the measurement of distances, elevations, and angles. Calculations for the various operations, including traverse computations. Introduction to the use of surveying instruments and note keeping. 2 Lec/3 Lab.

250 Structural Systems and Materials I. (3) I. Prerequisites: IDH 221 and 229. Emphasis on building systems and materials for residential structures. An understanding of the properties of structural materials and their appropriate applications. Laws, codes, and standards will be addressed along with instruction in blueprint reading.

294 Construction Graphics. (3) A. Basic principles of residential and small commercial planning, styles of architecture, a comparative study of structural systems and the preparation of working drawings. 2 Lec/3 Lab.

303 Statics and Strength of Materials. (3) I, II. Prerequisites: MAT 108 and PHY 131. Study of loads, forces and their effects on rigid bodies and structures at rest. Computation of equilibrium reactions, internal forces, shear, moments, couples, friction, stress, strain, and deformation. Finding centroids and moments of inertia.

307 Soils and Foundations. (3) II. Prerequisite or Corequisite: CON 303. A study of soil mechanics as it relates to foundation construction. Topics include soil classification, engineering properties, compaction testing, types of foundation systems, and methods of foundation construction.

320 Construction Surveying. (3) II. Prerequisite: CON 221. The application of surveying skills as they relate to horizontal and vertical control on construction projects. Activities include building layout, centerline staking, earthwork computations, and slope staking. The use of electronic instruments is emphasized. 2 Lec/3 Lab.

322 Construction Structural Design. (3) I. Prerequisite: CON 303. A study of the design of beams and columns using steel and wood. Principles of structural design related to the design of temporary structures used in the construction process.

323 Estimating I. (3) I. Prerequisites: CON 201, 202, MAT 108, and TEC 161. A study of the materials and labor required in the construction of residential and light commercial projects. Experience is gained in reading plans, calculating work quantities, and listing work items in a standardized format. 2 Lec/3 Lab.

324 Mechanical/Electrical Systems. (3) II. Prerequisite: CON 294. A study of plumbing, heating, air-conditioning, electrical power distribution, and lighting for residential and commercial buildings. Heat loss and heat gain calculations. Basic fundamentals of water supply, waste drainage, and electrical circuits.

349 Cooperative Study: Construction Technology. (1-8) A. Prerequisites: 30 hours of credit with a 2.0 GPA and departmental approval. Work under faculty and field supervisors in placements related to construction technology. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

350 Structural Systems and Materials II. (3) I. Prerequisites: CON 250. Emphasis on commercial building systems and materials. An understanding of the properties of structural materials and their applications. The interpretation of construction documents and blueprints for commercial structures will be required.

368 Seminar in Construction. (1-4) A. Presentation of construction technology topics of a timely or specialized nature in a seminar format. May be retaken provided the topics are different.

401 Special Problems in Construction Technology. (1-3) A. An independent study course for exceptional upper division undergraduate students. A study proposal will be developed by the student and approved by the faculty supervisor and department chair prior to enrollment. May be retaken provided the topic of study is different.

420 Engineering Economy. (3) I. Prerequisites: MAT 261 and ECO 230. A systematic application of engineering economy to design, selection of construction materials, and construction methods. A study of first costs, operating and maintenance costs, service life, and replacement costs. Value engineering incentives are studied.

421 Construction Contracts. (3) I. Prerequisite: CON 323. Contract documents, drawings, and specifications and their impact on the construction process. A study of the types and organization of construction contracts, and the roles and responsibilities of the parties involved.

423 Estimating II. (3) II. Prerequisite: CON 323. Construction projects of moderate complexity are divided into work packages, followed by calculation of work quantities. Standard cost books are utilized to develop prices for labor, materials, subcontracts, equipment, and overhead. Emphasis is placed on the use of spreadsheets and estimating software. 2 lec/3 lab.

425 Project Organization and Supervision. (3) II. Prerequisites: MGT 300 and CON 421. A study of principles of construction project administration, systems for efficient operation of office and field personnel, and dispute avoidance and resolution procedures. The construction process is followed from project inception to closeout.

426 Scheduling. (3) II. Prerequisites: ACC 201. Prerequisite or Corequisite: CON 423, and 425. A study of the planning and control of construction activities and costs. Topics include critical path method scheduling, progress monitoring, cost control and cash flow.

COR—Correctional and Juvenile Justice Studies
Dr. Charles Fields, Chair
105 Stratton

106 Workshop: _____. (1-6) A. Prerequisites: Permission of instructor. The workshop is designed primarily for in-service personnel and will focus on current problems, issues and strategies in providing effective services. May be retaken for a maximum of six hours provided the subject matter differs.

201 Foundations of Corrections. (3) A. An introduction to the concepts, history, processes, and issues in modern corrections. Evolution of the various elements of the juvenile and adult corrections systems are examined.

300 Correctional Data Management (3) A. Prerequisite: CRJ 101 and COR 201 or departmental approval. Provides students with "hands-on" experiences with computerized management decision-making systems in corrections, and an understanding of computer applications to correctional operations including crime analysis, sentencing, jails, probation, prisons and parole.

301 Adult Correctional Systems. (3) A. Prerequisite: CRJ 101 and COR 201 or departmental approval. Surveys history and current status of jails and various types of adult prisons with emphasis on punishment rationales, institutional programs and procedures, inmates social structures, correctional officers, and contemporary issues.

315 Legal and Ethical Issues in Corrections. (3) A. Prerequisite: CRJ 101 and COR 201 or departmental approval. An overview of legal issues and court decisions related to the American correctional system. An analysis of the impact of these decisions and the various ethical issues involved are examined.

316 Legal and Ethical Issues in Juvenile Justice. (3) A. Prerequisites: CRJ 101 and COR 201 or departmental approval. An overview of legal issues and court decisions related to the juvenile justice system. An analysis of the impact of these decisions and the various ethical issues involved are examined.

320 Youth Work Practice. (3) A. Prerequisites: instructor approval. This course has a workshop format and focuses on current problems, issues and strategies in providing effective services to juveniles. May be retaken for a maximum of twelve hours provided subject matter differs.

321 Juvenile Corrections. (3) A. Prerequisite: CRJ 101 and COR 201 or departmental approval. Examines the extent to which juvenile correctional interventions are used. Provides an in-depth analysis of various correctional responses to juvenile offenders including diversion, community-based and residential programs.

330 Community Corrections. (3) A. Prerequisite: CRJ 101 and COR 201 or departmental approval. Surveys history and current status of community correctional programs, including diversion, probation parole, and other community programs for juvenile and adult offenders, with emphasis on programmatic philosophies, operations, effectiveness, and other related issues.

340 Correctional and Juvenile Justice Administration. (3) A. Formerly COR 440. Prerequisite: CRJ 101 and COR 201 or departmental

approval. Application of management concepts to corrections with emphasis on organizational structure, planning, decision making, and directing.

349 Cooperative Study in Corrections and Juvenile Justice. (1-6) A. Prerequisite: CRJ 101 and COR 201 or departmental approval. Work, under faculty and field supervisors, in placements related to academic studies. One to six hours credit is available. Total hours: three, associate; six, baccalaureate. A minimum of 80 hours work experience is required for each academic credit.

350 Correctional Intervention Strategies. (3) A. Prerequisite: CRJ 101 and COR 201 or departmental approval. An in-depth examination of the treatment role of the correctional worker in juvenile and adult settings. Includes an historical and theoretical review with particular emphasis on contemporary approaches to treatment. Both institutional and community-based efforts are discussed.

375 Applied Skills Practicum. (3) A. Prerequisite: Permission of Instructor. Designed primarily for in-service personnel and others where COR 349 is inappropriate, this course provides the student with opportunity to integrate academic knowledge with a field experience.

423 Topical Seminar: _____. (3) A. Formerly COR 323. Prerequisite: departmental approval. Intensive study of selected topics related to corrections and juvenile justice. May be retaken to a maximum of six hours on different topics.

460 Independent Study. (1-6) A. Prerequisite: CRJ 101 and COR 201 or departmental approval. Individual study and/or research on a problem pertaining to correctional services. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

470 Delinquency and Crime Prevention. (3) A. Prerequisites: Senior Standing and instructor approval. Explores various strategies for responding to adult and juvenile crime with particular attention to the theoretical and empirical bases for these approaches. A crime prevention plan will be developed by students in conjunction with a community agency or institution.

475 Applied Research Practicum. (3) A. Prerequisites: COR 300 or departmental approval. Policy-relevant research designed to broaden program evaluation experience through assignments in evaluation planning, research design, data interpretation/analysis, and translation of findings to policy. Activities conducted in classroom, computer laboratory, and in the field. May be retaken for 6 hours in program.

490 Senior Seminar (3) A. Prerequisites: senior standing, and 30 hours of COR coursework or departmental approval. Capstone course involving developmental of a senior level research paper on a corrections or juvenile justice topic grounded in relevant literature. Emphasis on integration of knowledge acquired in previous courses.

CRJ—Criminal Justice
TBA, Chair
458 Stratton

101 Criminal Justice in a Democracy. (3) A. Formerly COR 101 and PAD 101. A general overview of the criminal justice system including a description of the major agencies: police, prosecution, courts, and corrections, and an analysis of their interdependence in the criminal justice process.

301 Drugs and Crime. (3) A. Formerly PAD 301. An examination of the relationship between organized crime and drug trafficking, the connection between drug use and other types of crime; and a review of drug control policies.

305 Family Violence. (3) A. Formerly COR 305. Prerequisite: CRJ 101 or departmental approval. Family violence as it pertains to criminal justice. Examination of the theoretical and empirical literature on violence against women, children, and elders. Addresses such issues as physical abuse of children, child sexual abuse, courtship violence, domestic violence, marital rape, and parent abuse.

311 The Juvenile Justice System. (3) A. Formerly COR 311 and PAD 311. Prerequisite: CRJ 101 or departmental approval.. Examines the nature and extent of delinquency in the United States and the system response to juvenile crime. Particular attention is given to how police, courts and correctional agencies respond to juvenile offenders, and the effectiveness of these responses.

312 Judicial Processes. (3) A. Formerly COR 312. Prerequisite: CRJ 101 or departmental approval. An in-depth study of law-making and the American judicial process. Includes a systematic and comprehensive analysis of American courts, their pivotal role in the criminal justice system, and the function and responsibilities of the key personnel within them.

325 White Collar Crime. (3) A. Formerly PAD 325. A review and analysis of the upper world crimes of business and government committed in the course of legitimate occupations and financial activities. Credit will not be awarded to students who have credit for APS 325.

331 Perspectives on Crime and Delinquency. (3) A. Formerly PAD 331. Overview of crime and its control. Examines the characteristics of criminal behavior, including biological, psychological, social, and cultural, including historical and contemporary developments. Explores the nature and scope of the crime problem from a theoretical perspective.

345 Diversity and Criminal Justice. (3) A. Formerly COR 345 and PAD 345. Contemporary race, gender, and other diversity issues as they affect criminal offenders, crime victims, and the criminal justice system. Includes such issues as the civil rights and women's movements, equal opportunity, and affirmative action.

350 Comparative Criminal Justice Systems. (3) A. Formerly PAD 350. A survey of selected world criminal justice systems including police, courts, and corrections as compared to the U.S. system.

388 Criminal Justice Research. (3) A. Formerly COR 388 and PAD 300. Prerequisite: CRJ 101, or departmental approval. Overview of the research process, with emphasis on finding, using, and evaluating criminal justice research. Examination of research methods appropriate to the study of crime policy and criminal justice.

400 Applied Criminal Justice Analysis. (3) A. Formerly COR 308 and PAD 400. Prerequisite: CRJ 388 or equivalent. Analytical and statistical concepts and procedures for the treatment of crime and criminal justice data. Includes quantitative and qualitative techniques, univariate and bivariate statistics. Credit will not be awarded to students who have credit for ECO 220 or ECO 824 or EPY 842 or HEA 450 or PSY 301 or QMB 200 or STA 208 or STA 215 or STA 270.

401 Organized Crime. (3) A. Formerly PAD 401. History, scope, and methods of control of organized crime in America. Emphasis on local, regional, and statewide control of organized crime. Cultural and social implications of the presence of organized crime are examined in depth.

406 Critical Issues in Criminal Justice. (3) I, II. Formerly PAD 406. Prerequisite: senior standing or instructor approval. Examination of the police and criminal justice with an emphasis on problems and trends. This course provides an analytical overview of justice and its response to the needs of society.

540 Special Problems in Criminal Law. (3) A. Advanced study of criminal law and criminal procedure. Consideration of problems relating to the police role in the administration of criminal justice and judicial enforcement of limitations upon police practices.

CSC—Computer Science
Dr. Jaleh Rezaie, Acting Chair
312 Wallace

104 Computer Literacy with Software Applications. (3) I, II. A non-technical survey of computer history, hardware, and software. Implications of the use and misuse of computers. The effect of computers on society. Software applications such as word processors, spread sheets, databases, and graphics. Credit will not be awarded to students who have credit for CSC 102 or CIS 212. 3 Lec (1 Lab when taught in large lecture sections.) Gen. Ed. 03 or 04.

105 Software Applications Topics: _____. (1-3) A. Selected topics in software applications. Topics vary with offering. May be retaken with advisor approval to a maximum of nine hours provided the topics are different.

110 Introduction to the Internet. (1) I, II. Introduction to the Internet and the Internet processing tools. The course emphasizes the use of the World Wide Web as an information broadcasting and retrieval tool.

174 Introduction to Computer Programming—FORTRAN. (3) I, II. Introductory programming in FORTRAN, input/output, decision, loops, arrays, subroutines, functions, files. Gen. Ed. 03 or 04.

175 Programming in Logo. (3) A. An introduction to the computer language Logo. Modularity, input/output, decision, looping, and recursion, with both graphics and lists.

177 Introduction to Programming in Visual Basic. (3) I, II. Prerequisite: MAT 095 or equivalent. Introduction to programming in the event driven/graphical programming language Visual Basic. Topics include forms, common controls/objects, coding, procedures, file management and developing Windows applications. Gen. Ed. 03 or 04.

178 Programming in _____. (1-3) A. Programming in selected languages, with appropriate applications. May be retaken to a maximum of six hours, provided the languages are different.

180 Programming in Pascal. (3) I, II. Introductory programming in Pascal. Basic concepts include data types, control structures, arrays, records, sets, functions, procedures, input/output features, sorting, searching, and files. Gen. Ed. 03 or 04.

190 Introduction to Computer Programming—C++. (3) I, II. Introduction to problem solving with computers using the object-oriented language C++. Basic concepts include data types, classes, control structures, functions, and input/output features. 2 Lec/2 Lab. Gen. Ed. 03 or 04.

191 Advanced Computer Programming—C++. (3) I, II. Prerequisite: CSC 190 with a minimum grade of "C". Pointers, structures, storage classes, overloading, inheritance, polymorphism, templates, file input/output, object-oriented analysis and design.

195 Introduction to Discrete Structures. (3) I, II. Prerequisite: A grade of at least "C" in CSC 190; a grade of at least "C" in MAT 107 or equivalent. Relations, functions, black box testing, mathematical induction, loop invariants, loop correctness, counting, recurrence relations, recursive algorithms, probability, algorithm complexity, logic, and program correctness.

200 Introduction to Computer Organization. (3) I, II. Prerequisite: CSC 191 with a minimum grade of "C-". Computer structure, assembly language, instruction execution, addressing, data representation, macro definition and generation, utility programs, programming techniques.

300 Introduction to Numerical Methods. (3) A. Prerequisites: MAT 224 or 224H, an approved programming language. Error analysis, nonlinear equations, interpolation, numerical differentiation and integration, ordinary differential equations, direct and interactive methods of solving linear systems, approximation.

302 Introduction to System Environments. (3) I, II. Prerequisite: CSC 191 with a minimum of grade of "C-". Introduction to computer system environments, utilities, system programming, system administration, networking and operating systems.

305 Computers and Society. (3) A. Cross listed as POL 305 and SOC 305. The influence of computers on social and political processes. Software related to socio-political issues. Credit will not count toward major/minor requirements except for CSC teaching programs. Credit will not be awarded to students who have credit for POL 305 or SOC 305.

306 Ethics for the Computer Professional. (3) A. Prerequisite: CSC 191 with a minimum grade of "C". Responsibilities of the computing professional, social implications of computing, privacy, crime and abuse, risk and liabilities, copyright, and patents.

310 Data Structures. (3) I, II. Prerequisites: CSC 191 with a minimum grade of "C" and CSC 195. The application and implementation of data structures including arrays, stacks, queues, linked lists, and trees. Internal searching and sorting techniques. The analysis of algorithms.

312 File Processing. (3) I, II. Formerly CSC 309. Prerequisites: CSC 310 with a minimum grade of "C". File organization and file storage devices. Topics include external sorting, sequential file processing, hashing, B+ trees, and introduction to databases.

320 Introduction to Algorithms. (3) A. Prerequisites: CSC 310 with a minimum grade of "C-" and MAT 214. Fundamental algorithms required in computer science; algorithm design/analysis methods, graph algorithms, probabilistic and parallel algorithms, and computational models.

349 Cooperative Study: Computer Science. (1-8) I, II; (1-6) SUMMER ONLY. Prerequisite: Students must have successfully completed 30 semester hours of course work including six hours of Computer Science major courses. In addition, transfer students must have completed at least one semester of full-time course work at EKU. Work in placements related to academic studies. A maximum of three hours may be applied toward the Computer Science technology option degree only. Credit does not apply to general Computer Science major or minor requirements. Total hours: eight, associate, sixteen, baccalaureate. A minimum of 80 hours of employment is required for each semester hour of academic credit. Credit may only be awarded in the semester in which the work is completed.

350 Principles of Programming Languages. (3) I, II. Prerequisite: CSC 302; CSC 310 with a minimum grade of "C-". The principles used in the design and implementation of programming languages. Language descriptions, structural implementations, and specialized features of languages.

370 Computer Architecture. (3) A. Prerequisites: CSC 200 and EET 252. Information representation, Boolean algebra and combinatorial logic, memory and storage, elementary machines, addressing schemes, stack and parallel computers, overlap and pipeline processing, microprogramming, performance evaluation.

390 Advanced Programming Techniques with _____. (3) A. Prerequisite: CSC 312. Advanced programming with a selected programming language, with appropriate applications. May be taken to a maximum of six hours, provided the languages are different.

400 Operating Systems. (3) I, II. Prerequisites: CSC 302, 320 and 370. Overall structure of multiprogramming systems, details of addressing techniques, memory-management, file system design and management, traffic control, interprocess communication, system module design, interfaces.

401 Network and System Programming. (3) A. Prerequisites: one of the following sequences: (CSC 302 and CSC 370) or (EET 254 and EET 303). Technical programming in the UNIX and the Internet environments: shell scripts, TCP/IP, HTML, CGI, and JavaScript. Survey of Internet protocols.

425 Compiler Construction. (3) I, II. Prerequisites: CSC 320 and 350. Basic concepts of lexical analysis and syntax analysis. A programming team project will implement these concepts.

440 Introduction to Software Engineering. (3) A. Prerequisites: CSC 312. Introduction to the practical applications of scientific knowledge in the design and construction of software systems and to the documentation required to develop, operate, and maintain such systems.

450 Graphics Programming. (3) A. Prerequisites: MAT 224 or 224H; CSC 312 and 320. Graphics standards. Programming for storage, modification and display of graphics data structures/bases. Realistic representation and transformation of geometric objects emphasizing interactive color raster displays.

460 Computer Network Architecture. (3) A. Prerequisite: CSC 400 or 401. Introduction to the subject of computer networks and layered protocols, architecture of data communication systems, point-to-point networks, local networks, end-to-end protocols and internet working.

490 Seminar in _____. (1-3) A. Prerequisite: departmental approval. For advanced students in computer science. Subject announced when offered. May be retaken to a maximum of 12 hours, provided that the topics are different.

495 Independent Work. (1-3) I, II. Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with the instructor. Final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

507 Seminar in Computer Science: _____. (1-3) A. Prerequisite: departmental approval. Topics vary with offering. May be retaken with advisor approval, provided the topics are different.

530 Concepts of Programming Systems. (3) A. Prerequisite: three hours of a programming language and department approval. The top-down design of algorithms, structured programming, control structures, subprograms, files and lists. Programs will be written in a high level language. Credit does not apply to students who have a six hour sequence of the programming language taught in this course.

545 Theory of Database Systems. (3) A. Prerequisites: CSC 312. Models and principles of information systems. Database languages. The logical and physical design, and the implementation and use, of database management systems.

546 Artificial Intelligence. (3) A. Prerequisite: CSC 310 with a minimum grade of "C" or CSC 530. The use of programming languages to model concepts selected from artificial intelligence. The application of heuristics to problem solving. Perception and pattern recognition.

CSO—Orientation
Dr. Dominick Hart, Acting Dean
105 Roark

100 Academic Orientation. (1) I. An introduction to the programs of the University and the College. Discussion of how to study, what to consider in choosing a profession, and what career opportunities exist for graduates from the College's programs. Additional topics include University regulations, publications, and support areas. Open to all students during their first two semesters of enrollment at EKU, beyond that open to students with fewer than 30 semester hours.

ECO—Economics
Dr. Fred Ruppel, Chair
237 Beckham

120 Economics In a World Setting: Principles. (3) I, II. Prerequisite: MAT 095 or equivalent. A general education economics course dealing with economic principles and theories in a world setting. Emphasis on understanding the role of the economic environment. Does not count toward the economics major. Gen. Ed. 09. Students who have completed or are enrolled in ECO 230 or 231 will not receive credit for ECO 120.

130 Contemporary Economic Problems. (3) I, II. A general education economics course dealing with such contemporary economic problems as unemployment, inflation, national debt, energy, health, pollution, education, crime, and protectionism. Does not count toward the economics major. Gen. Ed. 12. Students who have completed or are enrolled in ECO 230 or 231 will not receive credit for ECO 130.

220 Business Statistical Methods I. (3) I, II. Prerequisite: MAT 107. Business and economic applications of frequency distributions, measures of location, variation, probability, sampling, estimation, test of hypothesis, linear regression, index numbers, and time series analysis. Credit will not be awarded to students who have credit for CRJ 400 or EPY 842 or HEA 450 or PSY 301 or QMB 200 or STA 208 or STA 215 or STA 270.

230 Principles of Economics I. (3) I, II. Prerequisite: MAT 095 or equivalent. Microeconomic principles, including the study of opportunity cost, consumer and producer choices, market demand and supply, pricing and resource allocation, comparative advantage and international trade. Gen. Ed. 09.

231 Principles of Economics II. (3) I, II. Prerequisite: MAT 095 or equivalent. Macroeconomic principles, including the study of measures of national economic performance, determinants of aggregate production, employment and prices, monetary and fiscal policy, balance of payments, economic growth and development. Gen. Ed. 12.

300 Managerial Economics. (3) I, II. Prerequisite: ECO 230. Economic concepts that are directly applicable to business decision making including cost and production, profits, demand and pricing, capital budgeting and investment, and forecasting.

315 Economic Policy Analysis. (3) A. Prerequisite: ECO 230 and 231. Foundations and rationale for economic policy, including market failure and income inequality. Objectives, evaluation and analysis of selected policies in areas such as international trade, environment, education, health care, welfare, social security, and economic development.

320 Business Statistical Methods II. (3) I. Prerequisite: ECO 220. Business and economic applications of sampling, probability, time series analysis, index numbers, simple linear regression, correlation, the chi-square, analysis of variance, multiple regression and correlation, and non-parametric statistics. Credit will not be awarded

to students who have credit for ECO 848 or EPY 843 or QMB 300 or STA 271 or STA 500.

324 Money and Banking. (3) I, II. Prerequisite: ECO 231. Functions of money, monetary systems, history of banking, functions of the commercial bank, bank assets and reserves, loans and discounts, bank supervision, the Federal Reserve System, central banking policies, monetary and fiscal policies.

333 Human Resource Economics. (3) A. Prerequisites: ECO 230 and 231. Economics of human resource markets, including the demand for and supply of labor, human capital formation, household production, unions, discrimination, unemployment, and associated public policy issues.

345 Topics in Economics: _____. (1-3) A. Prerequisite: to be announced. Selected topics for study. Variable topics across semesters. May be retaken to a maximum of six hours, provided the subject matter differs each time.

349 Cooperative Study in Economics. (1-3) A. Prerequisite: minimum GPA 2.25. Co-curricular work experience under faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit hour. May not count towards major.

350 Intermediate Macroeconomic Theory. (3) II. Prerequisite: ECO 231. Analysis of aggregate economic activity; consumption, investment, employment, output, money and prices, exports and imports; stabilization policy.

351 Intermediate Microeconomic Theory. (3) I. Prerequisite: ECO 230. Analysis of consumer and producer behavior, market equilibrium, pricing and resource allocation under alternative market structures, risk aversion and information.

365 Public Finance. (3) A. Prerequisite: ECO 230. Economics of the public sector, including the scope of and rationale for government, public goods and externalities, voting schemes and public choice, taxes and subsidies, and transfer payments.

394 International Economics. (3) I. Prerequisites: ECO 230 and 231. An introduction to international trade and investment theory emphasizing international business, international trade theory, trade and investment patterns, payments system, balance of payments, international companies, and international issues.

395 Economics of Developing Countries (3) A. Prerequisite: ECO 230 and 231. Economics of development including: theories of growth, income distribution, investment in human capital, alleviation of poverty, strategies for growth; study of selected countries.

410 History of Economics Thought. (3) A. Prerequisites: ECO 230 and 231 or equivalent. The history of economic ideas from Adam Smith through J. M. Keynes.

420 Econometrics. (3) II. Prerequisites: ECO 320 or equivalent, 230, and 231. Use of economic theory and statistics in the formulation, estimation, and testing of economic models. Applications in the analysis of consumer and producer behavior, markets, and macroeconomic relations.

430 Mathematical Economics. (3) A. Prerequisites: ECO 230, 231, and MAT 211. Mathematical formulations of economic theories. Models of the consumer, the firm, markets, economic growth, and business cycles.

490 Senior Seminar in Economics. (3) A. Prerequisite: ECO 350, 351, and senior standing, or departmental approval. Reading, analysis and discussion of selected economics topics. Preparation of student research paper.

492 Business Cycles. (3) A. Prerequisite: ECO 231. Growth, instability, inflation, business cycle theories, spending and saving decisions, government expenditures and tax patterns, prices, output, and employment, historical cyclical patterns, economic forecasting.

560 Special Problems in Economics. (1-4) A. Prerequisite: advisor/departmental approval. Independent work, special workshop, special topics or seminar. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

570 Health Care Economics. (3) I. Prerequisite: ECO 230 or departmental approval. Introduction to health economics, including the study of the demand for and production of medical care, health care planning, regulation, finance and evaluation.

580 Natural Resource and Environmental Economics. (3) A. Prerequisite: ECO 230 or departmental approval. Economic tools used in the allocation of natural resources including policy proposal criteria, resource allocation, conservation, the state's role, benefit-cost analysis, and environmental impact assessment.

590 Regional Economics. (3) A. Prerequisites: ECO 230 and 231; or departmental approval. Analysis of patterns of regional growth and development. Use of economic models for regional forecasting and policy evaluation; the problems of marginal areas in developed economies.

EDF—Educational Studies
Dr. Leonard Burns, Chair
406 Combs

103 Introduction to Education. (2) I, II. Team taught interdisciplinary overview of education including: professional roles/behaviors, diverse populations; technology use; legal issues, professional development, portfolio, and teacher admission requirements. Sixteen hours of field experiences required. 2 Lec/1 Lab.

203 Schooling and Society. (2) I, II. Prerequisite: EDF 103 with a grade of "C" or higher and a score accepted by the Kentucky Education Professional Standards board on one of the approved tests: ACT, PPST; SAT; GRE. Introduction to social and cultural influences on schools; the purposes of schooling; the governance, financing, and administration of schools; and the role of the individual as an educator. 2 Lec/1 Lab.

310 Transition to Education. (1) I, II. This is a transitional course where students will be able to complete any of the missing requirements of EDF 103, EDF 203, EPY 319, EPY 413, and/or SED 401.

EDO— Education Orientation
TBA, College of Education Dean
421 Combs

100 Academic Orientation. (1) I. Designed to orient the student to university academic life and afford background for career choice and preparation. Included are University regulations and calendar, catalog details, registration and preregistration, various career opportunities, and program requirements. Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned.

EET—Electricity and Electronics Technology
Dr. William E. Davis, Chair
307 Whalin

251 Electricity and Electronics. (3) I. Principles of basic electricity and AC-DC circuit analysis. Emphasis on electrical and electronic circuits and applications. This is a mathematically-oriented course. 2 Lec/3 Lab.

252 Digital Circuits. (3) II. Prerequisite: Grade of at least "C" in MAT 090 or equivalent. A survey of digital and microprocessor fundamentals and applications. Gates, counters, decoders, displays, converters, microprocessors, memory systems, I/o devices, and microcomputer systems are covered in a combination of lecture, demonstration, and laboratory. 2 Lec/3 Lab.

253 Microprocessor Systems. (3) I, II. Corequisite: EET 252. The operation and application of the microprocessor in desktop and process control systems. Data, address, and control signals; memory expansion; digital and analog input and output ports; power control interface; and data communications are covered in the laboratory. 2 Lec/3 Lab.

254 Machine Language for Microcontrollers. (3) A. Prerequisite: A college level computer programming course. Corequisite: EET 252. Machine language programming for ROM based microprocessor based industrial controllers. Emphasis on software manipulation of I/O control devices in real-time, interrupt driven, process control environments. 2 Lec/3 Lab.

257 Electronic Circuits and Devices. (3) II. Prerequisite: EET 251. A technical analysis of the characteristics of solid state devices and the common circuits that utilize these devices. Emphasis on problem solving supplemented by laboratory analysis of electronic circuits and devices. 2 Lec/3 Lab.

302 PC Selection & Troubleshooting. (3) A. This course covers the operation and troubleshooting of microprocessors, system memory, computer architecture, video types, hard drives, mice, and printers as they relate to the running of current application programs.

303 LANs & PC Communications. (3) A. This course provides the participant with basic information on installing, troubleshooting and using microcomputer communication and local area network hardware and software.

305 Linear Electronic Circuits. (3) A. Prerequisite: EET 257. An analysis of electronic control circuits and devices to include both linear and nonlinear amplifiers. 2 Lec/3 Lab.

350 Industrial Electronics I. (3) I. Prerequisite: EET 257. Principles of timing, power control circuitry, transducers, and programmable controllers in commercial and industrial applications. 2 Lec/3 Lab.

351 Programmable Logic Controllers. (3) II. Prerequisite: EET 257. The study of programmable logic controllers (PLCs). PLC functioning theory, selection, wiring, and programming.

352 Electrical Power Technology. (3) A. Prerequisite: EET 251. The production, distribution, measurement, and control of electrical power systems, single phase and three-phase systems, transformers, electrical machinery, and lighting systems. 2 Lec/3 Lab.

354 Microcomputer Electronics. (3) I. Prerequisites: EET 253 and 254. System considerations involved in implementing memory and input/output maps, clock and reset circuits, bus controllers, and disk drive controllers. Several microcomputer systems are built in the laboratory. 2 Lec/3 Lab.

355 Automated Process Control. (3) II. Prerequisites: EET 252 and 305. An analysis of automated industrial process control systems to include power control, transducers, and process control systems applications as related to the manufacturing industry. 2 Lec/3 Lab.

356 Communication Electronics. (3) II. Prerequisites: EET 252 and 305. A survey of digital and analog communication systems with an emphasis on digital communications. Digital, RS-232, Pulse, Microcomputer, LANs, AM, FM, TV, fiber optic, and microwave communications are covered in a combination of lecture, demonstration, and laboratory. 2 Lec/3 Lab.

403 Advance LANs and PC Communication. (3) II. Prerequisites: EET 303. This course will cover installation, configuration, troubleshooting and maintaining server set up. The participants will be given the opportunity to setup

and run server operating systems with Ethernet hardware.

406 Networking Logic Controllers. (3) I. Prerequisites: EET 351. The course will cover advance programmable logic controller (PLC) functions that relate to file transfer and file manipulation. The course also will cover topics related to different methods of connections use networks to connect the PLCs in industrial and process control systems.

440 Fiberoptic Communication. (3) I. Prerequisites: EET 257. This course will cover the basic concepts of laser and fiberoptic media and principles. Participants will be involved in activities utilizing fiberoptic cables to connect computers in network systems.

452 Digital Electric Drives. (3) II. Prerequisites: EET 251 and EET 352 The course will cover analysis, installation, and maintenance of digital power conditioning drive. The participants will study the AC-AC, DC-DC, AC-DC, and DC-AC drives

EHS—Environmental Health Science
Dr. David Hufford, Chair
220 Dizney

280 Introduction to Environmental Health Science. (3) I, II. Elements of environmental health, including water and waste treatment, air pollution, food sanitation, vector control, solid waste disposal, and general sanitation problems.

290 Seminar in Environmental Health. (2) II. A. Prerequisite: instructor approval. Discussion and analysis of literature related to selected current environmental health problems.

300 Water Supplies and Waste Disposal. (4) I, II. Prerequisite: EHS 280. Corequisite: BIO 320. Drinking water safety in both individual private systems and larger public systems. Maintenance of raw water quality. Water purification, delivery systems, and surveillance. Techniques for collection, treatment, and disposal of sewerage.

330 Environmental Control of Disease Vectors. (3) I. Prerequisite: BIO 141. The identification and control of arthropods, arachnids, rodents, and other vectors of disease Safe use of pesticides will also be discussed

335 Hazardous and Solid Waste Management. (3) I. Prerequisites CHE 111 and EHS 280; or instructor approval. Nature of toxic and hazardous wastes and methods for their disposal to protect health and the environment and to prevent contamination of groundwater. The environmental health and safety aspects of solid waste collection, treatment and disposal, and regulations governing waste management are also covered

340 Industrial Hygiene. (3) I, II. Prerequisites: BIO 141, CHE 111, and EHS 280; or instructor approval The impact of the workplace on safety and health, and methods for avoiding work-related illnesses. Emphasis will be on the evaluation and the control of the work environment to protect worker health.

345 Advanced Industrial Hygiene. (3) II. Prerequisite. EHS 340 or instructor approval In-depth discussion of the chemical and physical hazards of the workplace and their evaluation and to provide hands-on experience in industrial hygiene sampling and analysis

349 Cooperative-Environmental Health Science. (1-6) I, II, A. Prerequisite. departmental approval Work in placements related to academic studies One to six hours credit per semester or summer A minimum of 80 hours work required for academic credit

360 Air Pollution and Health. (4) I. Prerequisites. CHE 112, PHY 131, and EHS 280; or instructor approval. Health effects of air pollution, including a discussion of the primary sources of airborne pollutants, their transport and transformation, the control of air pollution, state and national standards.

370 Risk Assessment and Environmental Epidemiology. (3) II. Prerequisites: MAT 107 (or higher math) and EHS 280; or instructor approval. The use of data to define the health effects of exposed individuals or populations to hazardous materials and situations.

380 Food Hygiene. (3) I, II. Prerequisites: BIO 320, CHE 112, and EHS 280; or instructor approval. A study of the health effects of food and milkborn disease, including a discussion of milk and foods as vehicles of infection, essentials of milk and food quality, standards for dairy, milk, and food service equipment.

395 Environmental Problem Analysis. (3) II. Prerequisites: CHE 111, EHS 280, 335, 340, and MAT 107 or 109; or instructor approval. Application of the student's knowledge gained from technical course work to analyze environmental problems. Emphasis is on logically solving environmental health issues that the student can expect when working in the field.

410 Radiological Health. (3) I. Prerequisites: EHS 280, MAT 107, and PHY 131. Corequisite: PHY 131. A discussion of the health effects from ionizing radiation, including radiation sources, detection, measurement, control, and safety devices.

425 Environmental Health Program Planning. (3) I. Prerequisites: EHS 280, 300, and 335. Administration, planning, implementation, and evaluation of environmental health programs. Discussion of resources and promotional techniques, and the role of the environmental health specialist dealing with community, state, and regional agencies.

440 Environmental and Industrial Toxicology. (3) II. Prerequisites: CHE 112 and EHS 280; or instructor approval. Health effects and nature of toxic substances with discussion of dose-response relationships, latency, target organs, and potential exposures in the environment

460 Housing and Institutional Environments. (3) II. Prerequisites: EHS 280, 300, and 370; or instructor approval. Discusses the requirements for healthful housing means of attaining and maintaining these requirements. Reviews environmental health concerns relating to day-care centers, schools, hospitals, nursing homes, and prisons. Describes surveillance, evaluative, and corrective methods.

463 Field Experience in Environmental Health. (6) I, II, A. Prerequisites: EHS 300, 335, 380, and departmental approval. Supervised and directed field experience in local, state, regional environmental health agencies, or with appropriate industries Eight to twelve weeks full-time required depending on work place.

498 Independent Study in Environmental Health. (1-3) I, II, A. Prerequisite: Student must have the independent study proposal form approved by faculty supervisor and department coordinator prior to enrollment. Opportunity for individual work on an environmental health research problem in a supervised situation.

ELE— Elementary Education
Dr. Imogene Ramsey, Chair
112 Combs

322 Physical Education in the Elementary School. (2) I, II. The study of the role of movement for the elementary school child; philosophy, principles, purposes, and programs of elementary physical education Educational dance, educational gymnastics, and educational games are emphasized

361 Art in the Elementary Grades P-5. (3) I, II. Fundamental concepts of art education and those found in KERA. Exploration of art materials, processes, and activities for children in the elementary grades including those with special needs. Ten field/clinical hours.

362 Music Education for the Classroom Teacher. (3) I, II. Study and appraisal of teaching techniques, music literature, learning activities, curricular plans, and materials essential to the sequential development of musical learning in the elementary school. Ten field/clinical hours.

365 Health Education P-5. (2) I, II. A study of curriculum design, teaching/learning strategies, resources, and evaluation procedures in elementary school health education. Topics include drugs, mental health, family living, nutrition, fitness, consumerism, environment, disease, and personal health. Ten field/clinical hours.

445 Foundations of Reading/Language Arts. (3) I, II. Cross listed as EMG 445. Prerequisites: Junior standing and 2.5 GPA. An overview of reading/language arts components P-5, teacher competencies, organization and planning for instruction. Twenty field/clinical hours.

446 Reading and Language Arts P-5. (3) I, II. Prerequisites: minimal grade of "C" in ELE 445 and admission to teacher education. Emphasis on theory, curriculum, teaching techniques and materials, instructional planning, assessment and use of results. Twenty field/clinical hours.

490 Classroom Management in the Elementary Grades P-5. (3) I, II. Prerequisite: admission to teacher education. Critical examination of effective classroom management in grades P-5. Emphasis on theories, strategies, and applications through study, discussion, observation, and participation. Twenty field/clinical hours.

491 Mathematics in Elementary Grades P-5. (3) I, II. Prerequisites: admission to teacher education and minimal grade of "C" in MAT 202. Methods and materials of teaching P-5 mathematics; emphasis on discovering and developing fundamental concepts as a foundation for problem solving. Twenty field/clinical hours.

492 Science in the Elementary Grades P-5. (3) I, II. Prerequisite: admission to teacher education. Modern materials and methods for teaching science in primary through grade five. Five discussion-laboratory hours per week. Twenty field/clinical hours.

493 Social Studies in Elementary Grades P-5. (3) I, II. Prerequisite: admission to teacher education. Theory, content, and practice of teaching Social Studies in grades P-5. Twenty field/clinical hours.

499 Supervised Student Teaching in Primary Through Fifth Grade. (6-12) I, II. Prerequisites: methods courses and area of specialization. Observation, participation, responsible classroom teaching, and related professional activities including students from two non-consecutive levels in the P-5 range.

507 Problems in Elementary Education. (1-3) A. Prerequisite: advisor/departmental approval. Independent work, special workshops, special topics, or seminar.

519 Teaching in the Kindergarten. (3) I, II. Focuses upon the kindergarten movement, organization, equipment, curriculum, and procedures; leaders and literature of kindergarten education. Opportunity for observing and participating in kindergarten.

541 Survey of Elementary Curriculum Programs. (3) I, II. For selected majors seeking twelve-grade certification. Explores elementary curriculum, the role of special teachers, problems of individual learners, functions of the entire school-community. Not open to elementary education majors.

EMC—Emergency Medical Care
Mr. Sandy Hunter, Coordinator
225 Dizney

100 Basics of Prehospital Medication Administration. (1) I, II. Presentation of basic principles of prehospital emergency pharmacological administration, fundamentals of relationships between units of measure. Typical emergency medicine dosages practices.

102 First Response Emergency Care. (3) I, II, A. Initial emergency medical care techniques adhere to U.S. Department of Transportation curriculum for First Responder. Cardiopulmonary resuscitation (CPR) required for course completion. Credit will not be awarded to students who have credit for HEA 202 or HEA 203. 2 Lec/2 Lab.

104 Healthcare Basic Life Support. (1) I, II, A. Basic cardiac life support skills for healthcare student or professional in accord with peer-reviewed American Heart Association (AHA) scientific guidelines. Course completion documentation when AHA requirements met. Maximum 6 enrollments for renewal. 0.25 Lec/0.75 Lab.

110 Introduction to Emergency Medical Care. (6) I, II, A. Prehospital basic life support concepts, skills, and field clinical experience for entry level Emergency Medical Technician-Basic adhering to national and state curricula. Meets eligibility requirements for state certification and national registration examinations. 3 Lec/6 Lab.

115 Basic Clinical/Field Experience. (2) I, II, A. Prerequisite: EMC 110. Minimum of 64 hours supervised hospital emergency department and prehospital emergency care ambulance clinical experience. Preceptor evaluates basic life support knowledge and skills.

130 Human Systems for Assessment. (3) A. Overview of human body and its systems as applied to rapid patient assessment and problem identification. Limited to certified paramedic students only.

200 Introduction To Prehospital Advanced Life Support. (2) II, A. Prerequisite or Corequisite: EMC 115 or departmental approval. Role and responsibilities of EMT-Paramedic, components of EMS systems, medical/legal considerations, and communications in advanced and basic life support settings.

205 Prehospital Management of OB/GYN Emergencies. (1) I, A. Prerequisite: EMC 110 or departmental approval. Pathophysiology and advanced level prehospital management of antepartum, parturition, postpartum, and gynecological emergencies. Assessment, care, and transportation of the neonate.

212 Crash Victim Auto Extrication. (1) I, A. Prerequisite or Corequisite: EMC 110 or departmental approval. Survey of vehicle extrication procedures for emergency medical personnel. Adheres to U.S. Department of Transportation content and objectives. 1 Lec/1 Lab.

215 Prehospital Management of Behavioral Emergencies. (1) I, A. Prerequisite: EMC 110 or departmental approval. Concepts and management of emotional and psychological emergencies applied to prehospital crisis intervention.

225 Introduction to Pharmacology. (3) I, II, A. Introduction to classification, nature, and uses of medications. Pharmacological agents utilized in prehospital health care setting emphasized.

240 Introduction to Electrocardiography. (3) I, II, A. Cardiac anatomy, physiology, and electrophysiology related to ECG. Proficient ECG interpretation skills emphasized.

270 EMTP: Theory/Practicum I. (6) A. Formerly EMC 302. Prerequisites: EMC 130 and departmental approval. Introduction to prehospital advanced life support delivery systems, medical-legal implications, and prehospital environment. Preparatory theoretical foundation with advanced life support skills progressing to application in hospital clinical settings. Pathophysiology and management of respiratory medical emergencies.

275 EMTP: Theory/Practicum II. (6) A. Formerly EMC 304. Prerequisite: EMC 270. Continued patient skills development through hospital assignments with emphasis on emergent medical etiologies involving cardiovascular, endocrine, CNS, gastrointestinal, anaphylaxis, toxicology, infectious diseases, environmental exposure, and obstetrics. Emergencies of special populations include gerontology and pediatrics.

280 EMTP: Theory/Practicum III. (6) A. Formerly EMC 306. Prerequisite: EMC 275. Corequisite: EMC 310. Theory and hospital clinical focus on management of mass casualty including vehicular extrication techniques. Final synthesis of theory and practice through minimum of 500 hours field internship with ALS ambulance as assigned by the department.

310 Advanced Cardiac Life Support. (1) A. Prerequisites: EMC 240, EMC 225, and 335; or departmental approval. Management of cardiac resuscitation adhering to cognitive and performance standards of the American Heart Association AHA ACLS Provider evidence of course completion available. 1 Lec/1 Lab.

315 Pediatric Advance Life Support. (1) A. Assessment, recognition, and intervention for infant or child with cardiopulmonary arrest or shock. Adheres to American Heart Association and Academy of Pediatrics cognitive and performance standards. AHA PALS Provider evidence of course completion available.

320 Advanced Life Support: Trauma. (3) II, A. Prerequisites: EMC 240, BIO 171, 301, EMC 115, and 200; or departmental approval. Prehospital management of complex patients with multiple systems failure secondary to trauma related pathologies.

335 Advanced Life Support: Medical Emergencies I. (3) I, A. Prerequisites: EMC 240, BIO 171, 301, EMC 115, 225, and department approval. Pathophysiology and advanced level prehospital management of emergencies of the respiratory, cardiovascular, endocrine, nervous, gastrointestinal, genitourinary, and reproductive systems.

340 Advanced Life Support: Medical Emergencies II. (3) II, A. Prerequisite: EMC 335. Pathophysiology and advanced level prehospital management of emergencies involving anaphylaxis, toxicology, alcoholism, drug abuse, infectious diseases, environmental hazards, and pediatric and geriatric patients.

342 Advanced Clinical I. (3) I, A. Corequisite: EMC 335. Integration of basic and advanced life support concepts and psychomotor skills in patient care situations developed through supervised assignments in various hospital settings.

352 Advanced Clinical II. (3) II, A. Prerequisite: EMC 342. Corequisites: EMC 320 and 340. Hospital assignments allow continued development and application of cognitive and psychomotor skills in critical situations. Autonomous decision-making skills developed under supervision through increased participation in patient care.

360 Advanced Field Internship. (2) A. Prerequisites: EMC 205, 212, 215, 310, 320, and 352. Minimum 120 hours supervised experience on paramedic ambulance. Progresses from advanced emergency care delivery observation to beginning team member responsibilities.

362 Advanced Field Internship II. (4) A. Prerequisites: EMC 360. Corequisites: EMC 360. Continuation of supervised experience on advanced life support ambulance. Assumes team member role with progression to team leader. Minimum advanced internship experience requires 500 hours.

380 Advanced Prehospital Theory Medical. (4) A. Prerequisites: Kentucky Certified EMT-Paramedic and admission to EMC major. Foundation course for paramedic students which focuses on pathophysiological basis for prehospital interventions and management. Includes in-depth history and assessment skills.

382 Advanced Prehospital Theory: Trauma. (4) A. Prerequisites: Kentucky Certified EMT-Paramedic and admission to EMC major. Foundation course for paramedic students which focuses on pathophysiological basis for prehospital interventions and management in trauma settings. Includes in-depth history and assessment skills.

EME— Elementary and Middle Grade
Dr. Imogene Ramsey, Chair
112 Combs

465 Teaching Physical Education in P-8. (3) A. Prerequisites: Admission to Teacher Education, PHE 323, major in Physical Education. Formerly EME 324. Developmentally appropriate materials and methods for teaching P-8 physical education. Minimum of 20 field/clinical hours.

439 Teaching Art P-8. (3) I. Prerequisites: Admission to Teacher Education, major in Art. Developmentally appropriate curriculum, materials, and methods for the P-8 Art program. Minimum of 20 field/clinical hours.

442 Teaching Foreign Language in Grades P-8. (3) I. Prerequisites: Admission to Teacher Education, major in foreign language. Developmentally appropriate curriculum, materials, and methods for the P-8 foreign language program. Minimum of 20 field/clinical hours.

510 Art in the Curriculum. (3) A. Elements of the discipline, creativity, aesthetics, theory, philosophy, and instructional facilities. Individual explorations into theory and media.

551 Linguistics in the Curriculum. (3) A. Prerequisite: ELE/EMG 445, EME 873, or ELE 871. Investigation of elements in the science of linguistics and their application to communication of students.

586 Health Education P-8. (3) A. Prerequisites: Admission to Teacher Education, major in School Health. Developmentally appropriate curriculum, materials, and methods for the health P-8 program. Minimum of 20 field/clinical hours.

596 Physical Education for Children and Youth. (3) A. Comprehensive review of techniques used in teaching physical education in the early elementary and middle grades. Emphasis placed on health evaluation, fitness testing, tumbling, rhythmical, game, and self-testing activities.

EMG—Middle Grade Education
Dr. Imogene Ramsey, Chair
112 Combs

430 Middle Grade Curriculum. (3) I, II. Prerequisites: Admission to teacher education, professional education core, EMG 445. Formerly EMG 390. An examination of the curriculum and the responsibilities of teaching in the middle grade. Twenty hours field/clinical experience.

445 Foundations of Reading/Language Arts. (3) I, II. Cross listed as ELE 445. Prerequisites: Junior standing and 2.5 GPA. An overview of reading/language arts components 5-9, teacher competencies, organization and planning for instruction. Twenty hours of field/clinical experiences. Credit will not be awarded to students who have credit for ELE 445.

447 Reading/Language Arts in the Middle Grades. (3) I, II. Prerequisites: Admission to teacher education, professional education core, EMG 445. The theory, content and practice of teaching reading and language arts in the middle grades utilizing content area materials. Twenty hours field/clinical experiences.

491 Mathematics in the Middle Grades. (3) I, A. Prerequisites: Admission to teacher education, professional education core, EMG 445, mathematics emphasis. Appropriate materials and methods for teaching mathematics in the middle grades. Twenty hours field/clinical experiences.

492 Science in the Middle Grades. (3) I, A. Prerequisites: Admission to teacher education, professional education core, EMG 445, science emphasis. Introduces prospective teachers to the modern materials and methods of teaching science in the middle grades. Twenty hours field/clinical experiences.

493 Social Studies in the Middle Grades. (3) I, A. Prerequisites: Admission to teacher education, professional education core, EMG 445, social studies emphasis. Appropriate materials and methods for teaching social studies in the middle grades. Twenty hours field/clinical experiences.

494 English and Communication in the Middle Grades. (3) I, A. Prerequisites: Admission to teacher education, professional education core, EMG 445, English emphasis. Study of effective teaching techniques, strategies and materials for middle grade English/communication skills. Twenty hours field/clinical experiences.

499 Supervised Student Teaching in the Middle Grades. (6-12) I, II. Prerequisites: Required professional education courses, areas of emphasis. Observation, participation, responsible classroom teaching, and related professional activities including students at two non-consecutive levels in the middle grades.

507 Problems in Middle Grade Education: _____. (1-3) A. Prerequisite: advisor approval. Independent work, workshops, special topics, or seminar. May be retaken to a maximum of six hours under different subtitles.

567 Curriculum and Instructional Strategies for Home Economics in the Middle Grades. (3) A. Prerequisite: certification in home economics. Study of curriculum content, instructional materials, and strategies appropriate for home economics instruction in the middle grades.

568 Curriculum and Instructional Strategies for Industrial Education in the Middle Grades. (3) A. Prerequisite: certification in industrial education. Study of curriculum content, instructional materials, and strategies appropriate for industrial arts education instruction in the middle grades.

EMS— Elementary, Middle Grade, and Secondary Education
Dr. Imogene Ramsey, Chair
112 Combs

499 Supervised Student Teaching P-12. (12) I, II. Prerequisites: Admission to student teaching, EME and ESE special methods classes. Observation, participation and responsible classroom teaching with related professional activities to be demonstrated in two of the following school levels: elementary, middle and high.

575 Methods and Materials for Teaching English as a Second Language. (3) A. The study of effective methods of Teaching English as a Second Language (TESL). Thirty hours of field experiences are required.

ENG—English
Dr. Bonnie Plummer, Acting Chair
467 Case Annex

090 Basic Writing. (3) I, II. A remedial course in composition emphasizing selected sentence basics and fundamental rhetoric to prepare students for ENG 095 and ENG 101. Exit exam required. Taken by referral or placement. Credit earned is institutional and cannot be used for graduation.

095 Developmental Composition. (3) I, II. An introductory course in composition emphasizing selected sentence basics and rhetoric for short essays and reports to prepare students for ENG 101. Exit exam required. Taken by referral or placement. Credit earned is institutional and cannot be used for graduation.

099 Intensive Writing Review. (3) A. An intensive review of writing skills with special emphasis on audience analysis, invention of ideas, composing, writing, and editing strategies for the production of a substantial portfolio. Taken only by recommendation of college dean. Institutional credit when exit level attained and cannot be used for graduation.

100 English for Non-Native Speakers. (3) A. Review and practice of English for non-native speakers. Review of English grammar with intensive practice of academic language skills in listening, speaking, reading, and writing. Required of non-native speakers on basis of department placement exam. 2 lec/2 lab.

101 English Composition I. (3) I, II. A writing course reviewing sentence basics and methods of development; emphasizing style, organization, coherence, and persuasion in written discourse, extensive practice in composition for different purposes and audiences; study and practice to improve reading. Entrance exam required. Gen. Ed. 01.

102 English Composition II. (3) I, II. Prerequisite: ENG 101 (or equivalent). A writing course reviewing components of ENG 101 and refining general composition skills; emphasis on expository and argumentative writing, including researched, documented papers and reports; study of research sources and methods, with emphasis on analytical reading. Gen. Ed. 02.

105 English Composition Honors. (3, 6) I, II. Advanced writing course, reviewing fundamentals and emphasizing practice writing essays and reports, including researched, documented writing, practice to improve reading and speaking. Taken by referral or placement. Proficiency exam required. Students graded "A" or "B" will receive six hours credit for ENG 105; students with "C" or "D" will receive three hours credit for ENG 105 and must take ENG 102. Gen. Ed. 01 (02).

106 Writing Workshop: _____. (1) I, II. Prerequisite: ENG 101, 105, or departmental approval. A course intended to develop writing abilities through practice in writing processes for varied topics; reading and discussion of rhetoric, grammar, etc. appropriate for the selected topic. Primarily individualized instruction in workshop conditions. May be retaken with different topics to a maximum of three credit hours.

200 Topics in English: _____. (1-3) A. Prerequisites: ENG 101 and 102 (or 105). Introduction to areas of literature, writing, and language use through selected topics. Designed primarily for non-English majors; may be retaken with different topics to a maximum of six hours.

211 Survey of World Literature I. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Selected readings from masterpieces of world literature from ancient times through the Renaissance. Gen. Ed. 05.

212 Survey of World Literature II. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Selected readings from masterpieces of world literature from the 17th century to the present. Gen. Ed. 06.

242 Introduction to a Genre: _____. (2) A. Prerequisites: ENG 101 and 102 (or 105). Readings in either the novel, poetry, or short story, special emphasis on understanding and enjoying the literature. Designed primarily for non-English majors; may be retaken with different topics to a maximum of six hours.

244 Mystery and Detective Fiction. (2) A. Prerequisites: ENG 101 and 102 (or 105). History of mystery and detective fiction. Study of the genre's basic characteristics as well as its cultural ramifications.

245 Science Fiction. (2) A. Prerequisites: ENG 101 and 102 (or 105). A survey of science fiction from Mary Shelley to the present.

300 Technical/Professional Writing. (3) A. Prerequisites: ENG 101 and 102 (or 105). Advanced study and application of principles of effective technical writing in various forms with emphasis on reports. Special sections arranged in cooperation with professional programs.

301 Advanced Composition. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Refinement of writing skills; application of rhetoric in expository and argumentative writings; planning and writing a research paper.

302 Principles of Literary Study. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Introduction to the genres of poetry, short fiction, and drama, as well as to the traditional literary devices, the major critical approaches, and several bibliographical tools.

306 Introduction to Creative Writing. (3) A. Prerequisites: ENG 101 and 102 (or 105). Introduction to fundamentals of short story, poetry, play, or personal essay writing.

308 Autobiographical Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105). Discussion of American, British, Continental, and non-Western autobiographies and modern theories of autobiographical writing.

334 Modern Poetry. (3) A. Prerequisites: ENG 101 and 102 (or 105). Survey of representative British and American poets from Hopkins and Dickinson to the present.

335 Modern Drama. (3) A. Prerequisites: ENG 101 and 102 (or 105). Study of representative Continental, British, and American plays from Ibsen to the present.

337 Biblical Narrative and Verse. (3) A. Prerequisites: ENG 101 and 102 (or 105). Study of selected narratives and verse from the Old Testament, Apocrypha, and New Testament from distinctly literary perspectives.

340 Mythology. (3) A. Prerequisites: ENG 101 and 102 (or 105). Study of selected myths through historical, psychological, and literary approaches.

345 Literature and Film. (3) A. Cross listed as COM 345. Prerequisites: ENG 101 and 102 (or 105). An examination of the relationship between film and literature through a comparative study of the stylistic and technical elements of the two media. Credit will not be awarded to students who have credit for COM 345.

347 Special Studies in English: _____. (3) A. Prerequisites: ENG 101 and 102 (or 105). Specialized study of selected topics not available in more traditional course offerings. Designed primarily for English majors/minors. May be retaken with different topics to a maximum of six hours.

349 Cooperative Study: English. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate, sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 American Literature I. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Survey of American literature from the beginnings to Whitman, emphasis on Cooper, Bryant, Emerson, Poe, Hawthorne, Melville, and Thoreau.

351 American Literature II. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Survey of American literature from Whitman to the present; emphasis on Whitman, Dickinson, Twain, James, Faulkner, Frost, and Eliot.

352 English Literature I. (3) I. Prerequisites: ENG 101 and 102 (or 105). English literature from Beowulf through the 18th century; special emphasis on Chaucer, Spenser, Shakespeare Donne, Milton, Dryden, Pope, Swift, and Johnson.

353 English Literature II. (3) II. Prerequisites: ENG 101 and 102 (or 105) English literature from the Romantics to the present; emphasis on Wordsworth, Keats, Tennyson, Browning, Arnold, Hardy, Yeats, and Joyce

355 Twentieth-Century American Fiction. (3) A. Prerequisites: ENG 101 and 102 (or 105) Survey of representative American novels and short stories of the 20th century

359 Kentucky Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105). Study of Kentucky's literary tradition from its beginning to the present, emphasis on Elizabeth Madox Roberts, Allen Tate, Harriet Arnow, and Robert Penn Warren.

375 Twentieth-Century British Fiction. (3) A. Prerequisites: ENG 101 and 102 (or 105) Survey of representative British novels and short stories of the 20th century.

405 Introduction to Composition Studies. (3) A. Prerequisites: ENG 101 and 102 (or 105) and 301. An introductory course surveying theories of composition and applying these theories to the instruction of composition

410 Grammar, Traditional and Modern. (3) A. Prerequisites: ENG 101 and 102 (or 105) and 301. Grammatical structure of American English and present-day terminology used to describe that structure, analysis of the linguistic and grammatical theories underlying contemporary grammar texts.

420 Stylistics and Editing. (3) A. Prerequisites: ENG 101 and 102 (or 105) and 301. Development of prose style through analysis, practice, and editing

430 Dramatic Literature. (3) A. Cross listed as THE 430 Survey of the major periods and genres of world dramatic literature, from the Greeks to the present, selected readings from the major playwrights, critics, and theorists. Credit will not be awarded to students who have credit for THE 430.

452 American Romanticism. (3) A. Prerequisites: ENG 101 and 102 (or 105). A study of the 19th century Romantic movement, concentrating on selected major authors through Whitman.

454 American Realism. (3) A. Prerequisites: ENG 101 and 102 (or 105). A study of the American Realistic movement from the late nineteenth century through the 20th century, concentrating upon selected major authors from Twain to the present

470 Chaucer and His Age. (3) A. Prerequisites. ENG 101 and 102 (or 105). A study of selections from Chaucer, the Pearl poet, Langland, Malory, medieval drama, and lyrics

472 Renaissance Literature. (3) A. Prerequisites ENG 101 and 102 (or 105). A study of Tudor poetry and prose and Elizabethan and early Stuart drama, exclusive of Shakespeare.

474 Shakespeare. (3) A. Prerequisites ENG 101 and 102 (or 105). Study of Elizabethan England as a background for Shakespeare's works, extensive reading of several plays; intensive reading of selected drama and poetry.

476 Milton and His Age. (3) A. Prerequisites. ENG 101 and 102 (or 105). A study of Milton's works, Cavalier and metaphysical poetry, the masque, and prose of the period

478 Literature of the Restoration and Eighteenth Century. (3) A. Prerequisites. ENG 101 and 102 (or 105). British poetry, prose, and drama of the Restoration and 18th century with emphasis on Dryden, Swift, Pope, and Johnson.

480 Romantic Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105). Survey of British poetry, essays, and fiction of the Romantic period

482 Victorian Literature. (3) A. Prerequisites: ENG 101 and 102 (or 105). Survey of British poetry, essays, and fiction of the Victorian period.

495 Independent Study. (1-3) A. Prerequisite: departmental approval. Individual study and/or research on a problem pertaining to literature or language. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment

499 Senior Seminar: _____. (3) A. Prerequisites: senior status, a minimum 3.0 GPA (cumulative and in English courses), and instructor approval. An intensive study of an author or authors, a thematic motif, a literary movement, critical, rhetorical, and language theory; or some other sharply focused study of language and/or literature

500 Advanced Professional Writing: _____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and either two additional courses in English; or instructor approval Advanced study and practice in editing, technical writing, expository writing, or writing for the popular media May be retaken with different topics to a maximum of six hours If subtopic taught is "Writing for the Popular Media," credit will not be awarded to students who have credit for JOU 480

502 Advanced Creative Writing. (3) A. Prerequisites: ENG 101 and 102 (or 105) and instructor approval. Open to students who desire to have their manuscripts criticized, fiction, drama, poetry, biography, or the informal essay accepted, guest lectures and discussion with writers in residence

503 Creative Writing Workshop. (1-3) A. Prerequisites: ENG 101 and 102 (or 105) and instructor approval. A one-week course of 15 informal lectures and discussions by faculty and visiting lecturers Each student registering for the writer's conference must submit a short story, a one-act play, four poems, or the equivalent

510 Introduction to Linguistic Theory. (3) A. Prerequisites ENG 101 and 102 (or 105) and two additional courses in English. An introduction to current linguistic theory and practice.

515 English as a Second Language. (3) A. Prerequisites ENG 101 and 102 (or 105) and two additional courses in English. Study of theory related to techniques used in generating effective use of English as a second language.

520 History of the English Language. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two additional courses in English Study of the history of the English language in terms of social, historical, and linguistic forces from which it developed into modern English.

525 History of Rhetoric. (3) A. Prerequisites: ENG 101 and 102 (or 105) and 301. Study of classical and modern rhetoric as it applies to written discourse Emphasis placed upon methods of invention, arrangement, and style to demonstrate their continuing utility

530 Studies in a Genre: _____. (3) A. Prerequisites ENG 101 and 102 (or 105) and two additional courses in literature Study of a designated literary genre, such as Renaissance drama, the rise of the novel, or narrative poetry May be retaken with different topics to a maximum of six hours

531 Genre in Translation: _____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature Study of a designated literary genre primarily in translation, such as the epic, classical drama, or Continental fiction. May be retaken with different topics to a maximum of six hours

535 Women Writers. (3) A. Prerequisites. ENG 101 and 102 (or 105) and two courses in literature. Study of literature by women writers.

540 Study of Popular Writings. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature Exploration of the humanistic and cultural values expressed in popular formats through a survey of best sellers, the new journalism, detective fiction, science fiction, newspapers, and TV scripts.

545 Topics in Literary Relationships: _____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. An intensive study of literature as it relates to other disciplines May be retaken with different topics to a maximum of six hours.

550 Topics in American Literature: _____. (3) A. Prerequisites: ENG 101 and 102 (or 105) and two courses in literature. An intensive study of a particular literary movement, a theme common to American literature, or contemporary directions/experiments in American literature May be retaken with different topics to a maximum of six hours

570 Topics in British Literature: _____. (3) A. Prerequisites. ENG 101 and 102 (or 105) and two courses in literature. An intensive study of a particular literary movement, a theme common to British literature, or contemporary directions/experiments in British literature May be retaken with different topics to a maximum of six hours

EPY—Educational Psychology
Dr. Leonard Burns, Chair
406 Combs

319 Human Development and Learning. (4) I, II. Prerequisite EDF 103 and 203 with grades of "C" or higher and a score accepted by the Kentucky Education Professional Standards Board on one of the approved tests: ACT, PPST, SAT, GRE. The study of theories and principles of human development and learning as applied to the classroom. Includes thirty hours of field laboratory experiences Credit will not be awarded to students who have credit for EPY 320. 3 Lec/ 2 Lab

320 Human Development and Learning for Vocational Education. (3) I, II. The study of theories and principles of human development and learning as applied within vocational-industrial technical education classrooms Credit cannot be given for EPY 319

413 Assessment in Education. (2) I, II. Prerequisite. Admission to Teacher Education. Principles and procedures in assessing and evaluating pupil growth in skills, attitudes, aptitudes, and understandings Assessment construction, analysis, item analysis, marking systems, and authentic assessment systems will be addressed 2 Lec/1 Lab

ESE—Secondary Education
Dr. Imogene Ramsey, Chair
112 Combs

307 Clinical Experiences for Teachers. (1-3) A. Prerequisite: departmental approval Provides clinical experiences such as observations, participation, and tutoring for prospective teachers in locations such as the learning lab May be retaken to a maximum of six hours

366 Teaching Family and Consumer Sciences in Middle and Secondary Schools. (3) II. Prerequisites: Instructor approval, major in Family and Consumer Sciences Education Developmentally appropriate curricular materials and methods for middle/secondary school students and the role of youth and professional organizations Minimum of 32 field/clinical hours.

378 Teaching Music in Grades P-8. (3) I. Prerequisites Admission to Teacher Education, major in Music Developmentally appropriate materials and methods for teaching P-8 music Minimum of 20 field/clinical hours

379 Music Education: Principles and Practices. (3) II. Prerequisite ESE 378. Acquaints students with a balanced music education curriculum in the secondary school. Emphasis on understanding

and planning a developmental sequence to assure musical growth of students grades 8-12. Minimum of 20 field/clinical hours.

440 Teaching Art in the Secondary School. (3) II. Prerequisites: Education Core, ESE 498, admission to student teaching, major in art education. Developmentally appropriate materials and methods for teaching art in the secondary schools. Minimum of 40 field/clinical hours.

441 Teaching of Biology in the Secondary School. (3) II. Prerequisites. Education Core, ESE 498, admission to student teaching, major in biology. Developmentally appropriate materials and methods for teaching biology in the secondary schools. Minimum of 40 field/clinical hours.

443 Teaching of the Language Arts in the Secondary School. (3) II. Prerequisites: Education Core, ESE 498, admission to student teaching, major in English, French, German, Spanish or Speech and Theatre Arts. Developmentally appropriate materials and methods for teaching language arts in secondary schools. Minimum of 40 field/clinical hours.

449 Teaching of Social Studies in the Secondary School. (3) II. Prerequisites: Education Core, ESE 498, admission to student teaching, a major in the social sciences. Developmentally appropriate materials and methods for teaching social sciences in secondary schools. Minimum of 40 field/clinical hours.

450 Teaching of Mathematics in the Secondary School. (3) II. Prerequisites. Education Core, ESE 498, admission to student teaching, major in mathematics or computer science/mathematics. Developmentally appropriate materials and methods for teaching mathematics and computer science in secondary schools. Minimum of 40 field/clinical hours.

451 Teaching of Physical Science in the Secondary School. (3) II. Prerequisites: Education Core, ESE 498, admission to student teaching, major in physics or chemistry. Developmentally appropriate materials and methods for teaching physical science in secondary schools. Minimum of 40 field/clinical hours.

452 Teaching of Technology Education in Middle and Secondary Schools. (3) II. Prerequisites. Education Core, ESE 498, admission to student teaching, major in technology education. Developmentally appropriate materials and methods for teaching technology education in the middle and secondary schools. Minimum of 40 field/clinical hours.

453 Family and Consumer Sciences Education Curriculum. (3) II. Prerequisites: Education Core, ESE 366, 498, ESE 366, admission to student teaching, Family and Consumer Sciences Education Major. Current program standards, philosophy, legislation, curriculum, and assessment.

457 Teaching of Instrumental Music in Secondary Schools. (2) I, II. Prerequisites. Education Core, ESE 498, admission to student teaching, major in instrumental music education. Developmentally appropriate materials and methods for teaching instrumental music in the secondary schools. 10/20 field/clinical hours.

458 Teaching of Choral Music in Secondary Schools. (2) I, II. Prerequisites: Education Core, ESE 498, admission to student teaching, major in choral music education. Developmentally appropriate materials and methods for teaching choral music in the secondary schools. 10/20 field/clinical hours.

466 Teaching of Physical Education in the Secondary School. (3) I, II. Prerequisites. Education Core, ESE 498, admission to student teaching, major in physical education. Developmentally appropriate materials and methods for teaching physical education in the secondary schools. Minimum of 40 field/clinical hours.

473 Teaching Business in Middle and Secondary Schools . (3) A. Prerequisites: Education Core, ESE 498, admission to student teaching, major in business education. Developmentally appropriate materials and methods for teaching business education. Minimum of 40 field/clinical hours.

487 Teaching of Health Education in the Secondary School. (3) II. Prerequisites: Education Core, ESE 498, admission to student teaching, major in health education. Developmentally appropriate materials and methods for teaching health education in secondary schools. Minimum of 40 field/clinical hours.

498 Fundamentals of Secondary Education. (3) I, II. Prerequisites: Admission to teacher education, professional education core. Emphasis on current state and national trends in general methodology, curriculum development, classroom management, and instructional planning and implementation in secondary schools. Minimum of 40 field/clinical hours.

499 Supervised Student Teaching in the Secondary School. (12) I, II. Prerequisites: Education Core, ESE 498, admission to student teaching. Corequisite: Special Methods Course. Observation, participation, responsible classroom teaching including related professional activities.

507 Problems in Secondary Education. (1-3) A. Prerequisite: advisor/departmental approval. Independent work, special workshops, special topics, or seminars.

566 Special Problems in Home Economics Education. (1-3) A. Prerequisite: instructor approval. The student chooses a problem and works under the supervision of the instructor.

574 Teaching Reading in the Secondary School. (3) A. Prerequisites. Education Core and admission to teacher education. Emphasis on developmental and content area reading skills, appraisal of reading abilities, appropriate materials, assessment, and organization of secondary reading programs.

FCC—Foreign Culture and Civilization
Dr. Anne Brooks, Chair
368 Case Annex

210 Topics in Culture: _____ . (3) A. May be retaken to a maximum of 6 hours if topic is different. Introduction to the unique values and traditions of a major African, Asian, or European culture as reflected in its aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07 or 08.

220 French Culture and Civilization. (3) A. Introduction to the unique values and traditions of the French nation and of French-speaking peoples as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07 or 08.

222 German Culture and Civilization. (3) A. Introduction to the unique values and traditions of the German peoples as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07 or 08.

226 Hispanic Culture and Civilization (3) A. Introduction to the unique values and traditions of the Hispanic nations as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07 or 08.

227 Japanese Culture and Civilization. (3) A. Introduction to the unique values and traditions of the Japanese as reflected in their aesthetic, intellectual, and other cultural achievements. Taught in English. Gen. Ed. 07 or 08.

FCS—Family and Consumer Sciences
Dr. Diane Maynard, Chair
102 Burrier

303 Dissemination of Family and Consumer Sciences Information. (3) A. Dissemination of information for clientele in the field of family and consumer sciences. Selection and utilization of resource materials including electronic information technology.

349 Cooperative Study in Family and Consumer Sciences (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

550 Family and Consumer Sciences Topics. (1-3) A. Selected topics in Family and Consumer Sciences. May be retaken to a maximum of six hours provided topics vary.

FIN—Finance
Dr. Jessica Frazier, Interim Chair
319 Combs

201 Personal Money Management. (3) I, II. A consumer approach to insurance, family budgeting, income taxes, elementary investment principles, and estate planning. Does not count toward the major in finance or general business. Credit will not be awarded to students who have credit for FCS 352.

300 Business Finance I. (3) I, II. Prerequisites: QMB 200 and ACC 202. Financial principles with applications to business organizations. Includes firm financial motives, time value of money, risk analysis, elementary capital budgeting, residual dividend policy, elementary capital structure decisions, analysis of financial statements, and international financial considerations.

301 Business Finance II. (3) I. Prerequisites: FIN 300. An in-depth exploration of dividend policy, capital structure decisions, cash and liquidity management, financial forecasting and planning, management of current assets and liabilities, and institutional arrangements for finance.

302 Small Business Finance. (3) A. Prerequisite or Corequisite: FIN 301. Equity, debt and venture capital markets for small businesses are examined. Also systems for financial statement generation and internal controls, sources and uses of funds forecasting, short-term asset and liability management, and capital structure decisions are explored. A small firm valuation project will be completed.

304 Financial Institutions. (3) I, II. Prerequisite: FIN 300. A survey of the evolution of financial institutions, including the impact of regulation and deregulation.

324 Investments. (3) I, II. Prerequisite: FIN 300. Analysis of the characteristics, valuation, and tax implications of various investments such as common and preferred stock; corporate, federal and municipal debt; mutual funds; money market accounts; options and futures. Explores methods of trading securities.

330 International Finance. (3) A. Prerequisite: FIN 300. Financial decision-making processes of multinational corporations; flow of funds; exchange rate determination and forecasting; currency futures and options; international arbitrage; measurement and management of exchange rate exposure; multinational capital budgeting; analysis of country risk.

349 Cooperative Study in Finance. (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum six

hours. Minimum 80 hours experience per credit hour. May not count toward major.

350 Intermediate Finance. (3) I, II. FIN 301, QMB 300 (either prerequisite or corequisite). The agency problem associated with the separation between owners and managers and its implication for security markets and firm valuation are explored. Also risk analysis and the valuation of derivative securities and financial market efficiency is explored in depth.

401 Advanced Managerial Finance. (3) A. FIN 350 and QMB 300 (Prerequisite or Corequisite). Working capital management, capital budgeting, expansion, distress, and reorganization are explored in the context of equity value maximization.

405 Advanced Financial Institutions. (3) A. FIN 350 and QMB 300 (Prerequisite or Corequisite). A case oriented course focusing in detail on the management of financial institutions, money and capital markets, interest rate theory, financial derivatives and international topics related to financial markets and institutions.

420 Investment and Portfolio Theory. (3) I. FIN 350, 324 and QMB 300 (Prerequisite or Corequisite). Investment analysis including efficient market theory and empirical investigations, security valuation, riskfree borrowing and lending; portfolio selection and performance evaluation are examined. Also included are derivatives' valuation and their role in a diversified portfolio.

421 Investment Analysis. (3) II. Prerequisite: FIN 324 and FIN 350. Analysis of publicly held securities, options, futures, and index options. Role of capital asset pricing model, stochastic dominance, time-state preference model, arbitrage, hedging and speculation.

450 Seminar in Finance. (1-3) A. Prerequisite: instructor approval. Selected topics of special contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

455 Global Financial Management. (3) A. FIN 350 and QMB 300 (Prerequisite or Corequisite). Advanced global dimensions of corporate finance including working capital, capital budgeting, and international borrowing for multinational companies Case studies of international capital markets, international financial institutions, foreign exchange risks, and international portfolio diversification.

490 Special Problems in Finance. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different sub-topics to a maximum of six hours. Independent work, special workshops, special topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

FLS—Foreign Language Studies
Dr. Anne Brooks, Chair
368 Case Annex

300 Elements of Foreign Language: _____. (3) A. Prerequisites: departmental approval and the student's major departmental approval. Introduces basic linguistic structures of major European languages, including pronunciation and intonation patterns; sharpens awareness of linguistic differences. Gen. Ed. 03 or 04.

310 Topics in Foreign Languages:_____. (1-3) A. May be retaken to a maximum of 6 hours if topic is different. Examination of problems and issues in foreign languages, literatures, or cultures.

349 Cooperative Study: _____. (1-8) A. Prerequisite: departmental approval. Work in placements related to foreign language study One to eight hours credit per semester or summer. Total hours: 16. A minimum of 80 hours employment required for each semester hour credit.

FOR—Forensic Science
TBA, Chair
337 Moore

301 Introduction to Criminalistics. (3) A. Introduction to the utilization of physical evidence in law enforcement, an overview of the forensic analysis of firearms, fingerprints, drugs, blood, hair, fibers, paint, glass, and questioned documents.

411 Analytical Methods in Forensic Science I. (3) A. Prerequisites: CHE 325, 362, and 367; or instructor approval. Application of instrumental methods of analysis to the classification of physical evidence. Principles and application of ultra-violet, visible, infrared, and fluorescence spectrophotometry, gas chromatography; and thin layer chromatography 2 Lec/3 Lab.

412 Analytical Methods in Forensic Science II. (4) A. Prerequisite: FOR 411 or instructor approval. Continuation of FOR 411. Application of chemical instrumentation to the separation, identification, and comparison of drugs, paint, glass, fibers, arson evidence, and other materials commonly encountered in the crime laboratory. 2 Lec/6 Lab.

430 Analytical Toxicology. (3) A. Prerequisites: FOR 411 and 412; or instructor approval Study of the biochemical activity of poisons and drugs, isolation and identification of barbiturates, amphetamines, tranquilizers, and other drugs of forensic interest. 2 Lec/3 Lab.

451 Forensic Microscopic Analysis. (3) A. Introduction to microscopic analysis, identification and characterization of materials, such as glass, hair, fiber, paint, and soil. 2 Lec/3 Lab

460 Selected Topics in Forensic Science. (1-3) A. Prerequisite instructor approval. Topics will be chosen from areas of current interest and may be retaken for credit when new topics are offered Topics and credit will be announced prior to each offering.

465 Expert Witness Testimony. (2) A. Prerequisite: FOR 411 or instructor approval. Topics include ethical issues relating to expert witness, qualifications of scientific experts; elements of courtroom testimony relating to expert witness. Videotaping of testifying in mock courtroom situations also included.

490 Introduction to Research. (1-3) A. Prerequisites: FOR 411, 412, and instructor approval. Instruction to laboratory research in one of the areas of forensic science. May be retaken to a maximum of six hours, but only three hours may be counted toward the major requirements. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

495 Internship. (3,6,9,12) A. Prerequisites: FOR 411, 412, and instructor approval Final year Independent laboratory work and study at an affiliated crime laboratory. May be retaken to a maximum of 12 hours, but only six hours may be counted toward the major requirements. Four to 16 weeks.

FRE—French
Dr. Anne Brooks, Chair
368 Case Annex

100 Adventures in French: _____. (1-3) A. This course introduces students to French language and culture through a variety of interesting topics such as French for travelers, French songs, films, and customs. May be repeated if topic is different.

101 Conversational French I. (3) I, II. Prerequisite: All required developmental reading and writing courses. Beginning French conversation, grammar, and language skills Emphasis on speaking and listening comprehension, with introduction to basic written forms. Taught in context of French and francophone cultures. Laboratory work required Gen. Ed. 03 or 04

101P French Practicum I. (1) I, II. Students who enroll in this course must be concurrently enrolled in FRE 101. This course provides students with an additional opportunity to study and apply the vocabulary, grammar, and usage presented in FRE 101

102 Conversational French II. (3) I, II. Prerequisite: FRE 101 or equivalent proficiency (Students entering FRE 102 by referral or placement, with two years high school French or equivalent, receive three hours credit for FRE 101 if they make an "A" in 102.) Continuing work on communicative skills and correct usage, with introduction to reading short passages on relevant French and francophone cultural topics. Laboratory work required. Gen. Ed. 03 or 04.

102P French Practicum II. (1) I, II. Students who enroll in this course must be concurrently enrolled in FRE 102 This course provides students with an additional opportunity to study and apply the vocabulary, grammar, and usage presented in FRE 102.

201 Intermediate Conversational French I. (3) I, II. Prerequisite: FRE 102 or equivalent proficiency (e.g with two or three years of successful high school French). French conversation, grammar, and communicative language skills, with increased emphasis on developing basic writing and reading skills. Taught in a context of French and francophone cultures Laboratory work required Students entering FRE 201 by referral or placement receive six hours credit for FRE 101 and 102 if they make an "A" or "B" in 201. Gen. Ed 03, 04, 07, or 08.

202 Intermediate Conversational French II. (3) I, II. Prerequisite: FRE 201 or equivalent proficiency (e.g with three or four years of successful high school French.) French conversation, grammar, and communicative language skills, with continuing emphasis on writing skills and on reading authentic texts Taught in context of French and francophone cultures Laboratory work required Students entering FRE 202 by referral or placement receive nine hours credit for FRE 101, 102, and 201 if they make an "A" or "B" in 202. Gen Ed 03, 04, 07, or 08

204 Review of French Grammar. (3) A. Prerequisite FRE 202 or equivalent proficiency Integrative approach to French grammatical forms and usage in communicative context, with emphasis on spoken and written expression, within the framework of French and francophone cultures Gen Ed. 03, 04, 07, or 08

210 Reading and Conversation. (3) I, II. Prerequisite: FRE 204 or equivalent proficiency Reading of basic literary texts with interactive discussion and writing practice. Emphasis is on building skills necessary for literature courses

295 Independent Work in French. (1-3) A. Prerequisite. FRE 204 or equivalent proficiency May be retaken to a maximum of 9 hours if content is different. Prior to enrollment, student must have the independent study proposal approved by faculty supervisor and department chair

300 French for Reading Knowledge. (3) A. Accelerated study of reading skills for those students needing a reading knowledge of French Cannot be used for major, minor, or general education credit

303 Survey of French Literature. (3) A. Prerequisite. FRE 210 or equivalent proficiency Selected readings from masterpieces of French literature with an introduction to the techniques of French literary analysis Taught in French.

310 Topics in French:_____. (1-3) A. Prerequisite: FRE 204 or equivalent proficiency May be retaken to a maximum of 9 hours if topic is different Selected topics in French language, literature, or culture.

313 French Narrative Fiction. (3) A. Prerequisite: FRE 210 or equivalent proficiency. A selection of the best French prose from various periods of French literature. Taught in French.

314 Masterpieces of French Theater. (3) A. Prerequisite: FRE 210 or equivalent proficiency Selected works from the masterpieces of French theater Taught in French.

315 French Lyric Poetry. (3) A. Prerequisite: FRE 210 or equivalent proficiency. Survey of French lyric poetry, with emphasis on the 16th and 19th centuries. Taught in French.

316 Contemporary French Literature. (3) A. Prerequisite: FRE 210 or equivalent proficiency. Representative works of the major French writers of the 20th century. Taught in French.

320 Introduction to Business French. (3) A. Formerly FRE 440. Prerequisite: FRE 210 or equivalent proficiency. Develops oral and written skills with emphasis on language of business, industry, and the professions

340 French Phonetics. (3) A. Prerequisite. FRE 210 or equivalent proficiency Intensive practice in the spoken language with emphasis on improving pronunciation and aural comprehension The sound system of French is taught through phonetic exercises Gen Ed 03 or 04.

350 French Conversation. (3) A. Prerequisite. FRE 210 or equivalent proficiency. Intensive practice in conversation with emphasis on vocabulary building and improving fluency in the language.

360 French Grammar in Context. (3) A. Prerequisite: FRE 204 or equivalent proficiency. A communicative approach to French grammar in meaningful context, using authentic spoken and written language, within the framework of French and francophone cultures. Gen. Ed 03, 04, 07, or 08.

400 French Literary Studies: _____. (3) A. Prerequisite: FRE 303, 313, 314, 315, or 316 A selected topic from the major French authors and literary movements Taught in French. May be retaken to a maximum of six hours, if content is different

401 French Language Studies: _____. (3) A. Prerequisite: FRE 360 or equivalent proficiency A selected topic such as stylistics, linguistics, history of the language, advanced grammar, or composition. May be retaken to a maximum of nine hours if content is different.

495 Independent Work in French. (1-3) A. Prerequisite departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

FRM—Family Resource Management
Dr. Diane Maynard, Chair
102 Burrier

352 The Family as Consumers. (3) I, II. Current consumer behavior by families in the marketplace. Emphasis on fraudulent schemes, current issues, laws, and organizations affecting the interests of the family as consumers. Credit will not be awarded to students who have credit for FIN 201.

453 Balancing Work and Family Resources. (3) A. Prerequisites: NFA 321 and FCS 352. Concentration on value identification/ clarification, the decision making process, family resource management and the management process by individuals and families Group projects and supervised field experiences with community programs.

456 Special Problems in Family Economics and Management. (1-3) A. Prerequisite instructor approval. The student chooses a problem and works under the supervision of the instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topics vary.

FSE—Fire and Safety Engineering Technology
Dr. Tom Schneid, Coordinator
220 Stratton

100 Introduction to Fire and Safety Engineering Technology. (1) A. Historical and philosophical discussion with review of the life and property conservation functions of federal, state, municipal, and private agencies. Study of legislation, contemporary, and future problems, career opportunities, and public fire safety education programs.

101 Introduction to Codes and Standards. (3) A. The code and standard promulgation process. An introduction to fire and safety related codes, surveying and mapping procedures; mechanical systems, and engineering solutions for hazards

120 Chemistry and Dynamics of Fire. (3) A. Introduction to the chemistry and dynamics of fire as it relates to properties of hazardous materials and the development of fire in a structure. An introduction to computer fire analysis

200 Applied Fire and Safety Analysis (3) A. Analytical and statistical concepts and procedures for the treatment of fire and safety related data Includes quantitative and qualitative techniques, descriptive and inferential statistics

201 Designing Building Fire Safety. (3) A. Prerequisite: FSE 101. A systems approach to designing building fire safety; the role of design in providing fire safety The Life Safety Code, the function of and testing of rated building components, evaluating plans for code compliance.

221 Fire Detection and Suppression Systems. (3) A. Prerequisite FSE 101, FSE 120. An introduction to fire detection and suppression systems and their relationship to fire control and extinguishment.

223 Fire and Emergency Scene Operations (3) A. Prerequisite FSE 101, 120 Principles of Incident Management including emergency scene decisions, strategies, and tactics Utilizing emergency control resources such as personnel, apparatus, and equipment

225 Legal Aspects of Fire Protection and Safety. (3) A. A study of legislative and legal decisions relating to personnel practices, employee safety, and public protection. Emphasizes the legal responsibilities, liabilities, and authority of the fire service practitioner.

250 Introduction to Fire Arson and Explosion Investigations. (3) A. An introductions to fire, arson, and explosion investigation. Topics include a historical overview of arson and terrorism statues, sources of information, the federal role in fire and explosion investigation, explosives and improvised explosive devices.

301 Emergency Medical Treatment I. (6) A. Effective emergency medical care in a variety of traumatic and medical emergencies. Content developed by the Committee on Injuries of the American Medical Association. Credit will not be awarded to students who have credit for EMC 110.

305 Hazardous Materials. (3) A. Prerequisite: FSE 200 or Instructor Approval Study of hazardous materials in transportation, storage, and usage. Chemical properties of hazardous materials relating to specific reaction, engineering controls, pre-emergency planning, combating, coordinating, and controlling a hazardous materials incident.

320 Principles of Fire and Safety Supervision. (3) A. Prerequisite: FSE 200 or instructor approval. An overview of organizational and management practices in the fire and safety fields. Emphasis on supervision and leadership styles, motivation, morale, and organizational behavior.

322 Fire Protection System Analysis and Design (3) A. Prerequisite: FSE 221. Analysis and evaluation of specific code requirements related to the design, inspection, testing and maintenance of fire protection systems. Design project(s) will be included

349 Cooperative Study. (1-8) A. Prerequisite: Instructor Approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Fire Arson and Explosion Investigation I. (4) A. An in-depth study in the analysis of fire, arson, and explosion scenes Emphasis will be placed on the principles and techniques of scene preservation and analysis, management of investigative functions, documentation of the scene, and determination of the cause and origin of fire.

360 Fire Protection Hydraulics and Water Supply (3) A. Prerequisite. FSE 120, a college algebra course. Water at rest and in motion Bernoulli's and Pascal's theory; water distribution systems, pumps, velocity, discharge friction loss, pump and nozzle pressures required for fire protection Theory followed by practical application

361 Principles of Occupational Safety and Health (3) A. Formerly OSH 361. History of the development of occupational safety and health. Methods of accident prevention and hazard control Introduction to safety programs, workers' compensation, emergency preparedness and accident investigation.

362 Principles of Occupational Safety and Health Legislation (3) A. Formerly OSH 362. Corequisite: FSE 361. Review of OSHA standards with emphasis on compliance and liability reduction Discussion of OSHA regulations including citations, penalties, inspections, and record keeping.

366 Hazard Identification and Control (3) A. Formerly OSH 366. Prerequisite: FSE 361, FSE 200 or Instructor Approval. Hands- on approach toward identification and control. Areas of study include noise levels, chemical land electrical hazards, air contaminants, and heat/cold stress. Control measures include administrative, engineering, and safeguarding methods.

367 Human Factors in Occupational Safety (3) A. Focuses on ergonomics, man/machine interface and human efficiency. Study of work-related stress, psychological factors, and Cumulative Trauma Disorders Solutions are reviewed for common problems found in labor-intensive operations

400 Fire Protection Administration. (3) A. Prerequisites: FSE 200 or Instructor Approval Corequisite: FSE 320. A study of management principles with emphasis on planning, organizing staffing, and evaluating fire and emergency services. Techniques for measuring public fire protection effectiveness and its impact on the community and the environment

410 System Safety Analysis. (3) A. Prerequisites: FSE 200 or Instructor Approval. Corequisite: FSE 366 Evaluation of the probabilities and consequence of various risks. Study includes system safety analysis, job safety analysis, hazard analysis, and faulty tree analysis. Safety audit methods are reviewed

412 Safety and Health Program Management. (3) A. Prerequisite: FSE 362, FSE 366, and FSE 200 or instructor approval. Emphasis

on personnel aspects, communication, and motivation in managing safety and health programs Practice in writing safety programs and implementing safety training. Evaluation of the effectiveness of various methods and programs.

450 Fire Arson and Explosion Investigation II. (4) A. Prerequisite: FSE 350. A continuation of Fire and Explosion Investigation I, with emphasis on the analysis of explosion scenes, scene processing, evidence collection, operation of homemade devices, condensed and diffuse phase fuel explosions, and scene reconstruction.

489 Topical Seminar: _____. (1-3) A. Prerequisite: instructor approval. Development and presentation of research in contemporary methods, techniques, and devices in the field. May be retaken under different topics to a maximum of 12 hours

490 Fire and Safety Research and Evaluation (3) A. Prerequisites: FSE 200, Senior Status. Development of competency relating to concepts of fire and safety research analysis Each student develops a research design and carries out a study project. Individual studies are culminated with project paper and presentation.

495 Fire Arson and Explosion Case Preparation. (3) A. Prerequisites: FSE 350 and FSE 450. Preparation of the fire, arson, and explosion case for trial, including preparation of demonstrative evidence, scene documentation for presentation, rules of evidence, case review and analysis, and testimony.

499 Practicum. (1-12) A. Prerequisite: FSE 200 or Instructor Approval. Supervised field observation, research, and/or experience.

GBU—General Business
TBA, Interim Chair
215 Combs

201 International Business. (3) I. An overview of international business, including international business law, international business customs, and international business functional operations, examining the effectiveness of U.S. business ventures abroad and in competition with international companies at home

204 Legal and Ethical Environments of Business. (3) I, II. Prerequisite: minimum 45 hours Law and the legal system. Topics include discussion on ethical and socially responsible business decision; business forms, contracts and torts; governmental regulations and regulatory agencies that impact businesses.

310 Law of Contracts, Property, and Business Organizations. (3) I. Principles of the law of contracts, property and the formation, relationship and implications of partnership, corporations and agencies.

311 Law of Commercial Transactions. (3) II. Principles for law of personal property transfers, negotiable instruments, secured transactions, the application of the Uniform Commercial Code and business transactions, bankruptcy, and governmental regulation.

349 Cooperative Study in General Business. (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under faculty and field supervisors—training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

350 Seminar in Business. (1-3) A. A carefully selected topic of special and contemporary interest to business students. May be retaken under different subtitles to a cumulative maximum of nine hours.

480 Business Strategy. (3) I, II. Prerequisite: Students must have completed all other business core requirements and have senior level standing. A capstone study of administrative processes under conditions of uncertainty including integrative analysis and formulation of strategy and supporting policy at administrative/executive levels.

GCS—Interpersonal Skills and Career Counseling
Dr. Rita Davis, Associate Vice President
121 Keith

198 Interpersonal Effectiveness Seminar. (1) I, II. The course is designed to assist students in gaining confidence in themselves and in relating more effectively with others. Attention is given to assertiveness, values clarification, and effective life management.

199 Career Counseling Seminar. (1) I, II. The eight-week course helps students make effective career decisions. Self-awareness, values clarification, an awareness of career alternatives, and decision-making skills are promoted in the course. Pertinent career facts are learned; i.e. salary, training, outlook, and working conditions.

GEO—Geography
Dr. Wilma Walker, Chair
201 Roark

101 Introduction to Geography. (3) A. Study of the principles of geography stressing cultural change as it pertains to human and physical environment distributions, relationships, and interactions over the earth. Gen. Ed. 09.

170 Map Topics: _____. (1-3) A. Content will be: mapmaking and map reading, topographic mapping and orienteering, global positioning systems(GPS); or maps in the contemporary classroom. May be taken to a maximum of four hours provided study areas differ each time

201 Historical Geography I: Pre-industrial Era. (3) A. The study, from a geographic perspective, of the earth's early human occupancy and the divergent development of culture systems and technologies prior to the industrial revolution. Gen. Ed. 10

202 Historical Geography II: Modern World. (3) A. Study of the elements of cultural convergence in the modern world and how human technologies have advanced to become the dominant agencies in changing the geography of the earth in the modern period of human occupancy. Gen. Ed. 11.

210 Introduction to Physical Geography. (3) A. Study of natural processes operating at the earth's surface with special emphasis on weather and climate and landforms as explanations for how and why physical and human phenomena vary from place to place. 2 Lec/2 Lab. Gen. Ed. 14

215 Introduction to Meteorology. (3) A. This is a non-technical introduction to meteorology designed for non-science majors. Emphasis is placed on the interpretation of weather phenomena and their effects on people. Gen. Ed. 15 or 16.

220 Human Geography. (3) A. Introduction to geographic study of human occupance of the earth, including patterns and processes of human activity and human/land interaction.

300 Geography: _____. (3) A. Prerequisite: instructor approval. Designed for study of special topics. The specific orientation (cultural, physical, field studies, etc.) will follow course title. May be retaken to a maximum of nine hours provided subject matter differs each time

302 Conservation and Environmental Problems. (3) A. Examination of environmental problems, their relationship to technology, and the application of principles of conservation. Gen. Ed. 12.

321 Urban Geography. (3) A. Study of city functions, patterns, and past and current problems confronting the city, including the problems of planning, zoning, community housing, shopping centers, and urban renewal. Gen. Ed. 12.

322 Political Geography. (3) A. Study of major areas of international concern focusing in geographic variations and political behaviors which have created modern political diversity. Gen. Ed. 12.

330 Economic Geography. (3) A. Geographic patterns and processes of production, trade, finance, and other services at local, regional, and global scales

345 Regions and Nations of the World. (3) A. Study of the rapidly changing world regions and the resulting problems. Specific attention will be directed toward present areas of international concern. Gen. Ed. 12.

347 Regional Geography: _____. (3) A. Physical, cultural, and economic geography of a selected region (e.g., Europe, North America, Kentucky) with emphasis on the region's current problems. May be retaken to a maximum of 12 hours provided subject matter differs each time

349 Cooperative Study: Geography. (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for baccalaureate, 16. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward the major.

351 Research Methods in Geography. (3) A. Prerequisites: GEO 210 and 220; or departmental approval. Provides majors with an introduction to geographic research and publications. Emphasizes evaluating scientific information, finding and using data sources, problem-solving, and research writing

353 Geographic Information Systems. (3) A. Prerequisite: CIS 212 or departmental approval. An introduction to geographic information systems emphasizing basic theories and techniques as applied to environmental and socioeconomic issues. Students will have extensive hands-on experience using GIS. 2 Lec/2 Lab

355 Cartography and Map Design. (3) A. Principles of map compilation, design and production of maps used for a variety of purposes. Both traditional and modern computer-based techniques will be utilized. 1 Lec/4 Lab

450 Field Studies. (3) A. Prerequisite: GEO 351 or departmental approval. Field techniques and applied case studies of geographic topics in local and regional environs

490 Senior Seminar. (3) A. Prerequisite: GEO 450 or departmental approval. A capstone course for majors that integrates students' academic experiences with their career development options

495 Practicum. (3-6) A. Prerequisite: GEO major. Students will work under departmental supervision in governmental, corporate, or private enterprises which are engaged in applied geography. Determination of the number of hours will be made by the department, depending upon the range and depth of activities to be engaged in. May not be retaken.

498 Independent Study. (1-3) A. Prerequisite: departmental major with a senior standing. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment

501 Advanced Geography: _____. (3) A. Prerequisite: departmental approval. In-depth study of physical, cultural, economic, geographic technique (GIS) themes. May be retaken to a maximum of six hours if subject matter differs each time

553 GIS Research Applications. (3) A. Prerequisite. GEO 353 or departmental approval. Advanced applications of geographic information systems (GIS). Study will include review of current literature and hands-on experience related to environmental, municipal, and regional issues

555 Advanced Cartography. (3) A. Prerequisite: GEO 355 or instructor approval. Advanced techniques of cartographic presentation

of data to include computer applications. 1 Lec/4 Lab.

556 Remote Sensing. (3) A. Prerequisite: Introductory statistics course or departmental approval. Characteristics, uses, and interpretation of digital remote sensing imagery, emphasizing satellite and multispectral scanner data, including digital data processing 2 Lec/2 Lab.

597 Special Studies in Geography. (1-3) A. Cross listed as PLA 597. Prerequisite: departmental approval. Directed work in geography. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Credit will not be awarded to students who have credit for PLA 597

(Other department courses may be found under PLA and TNT)

GER—German
Dr. Anne Brooks, Chair
368 Case Annex

100 Adventures in German: _____. (1-3) A. This course introduces students to German language and culture through a variety of interesting topics such as German for travelers, German songs, films, folklore, and customs. May be repeated if topic is different.

101 Conversational German I. (3) I, II. Prerequisite: All required developmental reading and writing courses. Beginning German conversation, grammar, and language skills. Emphasis on speaking and listening comprehension, with introduction to basic written forms. Taught within the context of Germanic cultures. Laboratory work required. Gen. Ed. 03 or 04.

101P German Practicum I. (1) I, II. Students who enroll in this course must be concurrently enrolled in GER 101. This course provides students with an additional opportunity to study and apply the vocabulary, grammar, and usage presented in GER 101.

102 Conversational German II. (3) I, II. Prerequisite: GER 101 or equivalent proficiency. Continuation of GER 101. (Students entering GER 102 by referral or placement receive three hours credit for GER 101 if they make an "A" in 102.) Continuing work on basic communicative skills. Taught within the context of Germanic cultures. Laboratory work required. Gen. Ed. 03 or 04.

102P German Practicum II. (1) I, II. Students who enroll in this course must be concurrently enrolled in GER 102. This course provides students with an additional opportunity to study and apply the vocabulary, grammar, and usage presented in GER 102.

201 Intermediate Conversational German I. (3) I, II. Prerequisite: GER 102 or equivalent proficiency. German conversation, grammar, and other language skills with increased emphasis on developing basic writing and reading skills. Taught in a cultural context. Laboratory work required. Students entering GER 201 by referral or placement receive six hours credit for GER 101 and 102 if they make an "A" or "B" in 201. Gen. Ed. 03, 04, 07, or 08.

202 Intermediate Conversational German II. (3) I, II. Prerequisite: GER 201 or equivalent proficiency. German conversation, grammar, and other language skills with continuing emphasis on reading and writing skills. Taught in a cultural context. Laboratory work required. Students entering GER 202 by referral or placement receive nine hours credit for GER 101, 102, and 201 if they make an "A" or "B" in 202. Gen. Ed. 03, 04, 07, or 08.

240 Beginning Conversation. (3) A. Prerequisite: GER 201 or equivalent proficiency. Topics for conversation drawn from everyday situations. (Waived in case of demonstrable oral proficiency, but not open to native speakers.) Gen. Ed. 03, 04, 07 or 08.

295 Independent Work in German. (1-3) A. Prerequisite: GER 202 or equivalent proficiency. May be retaken to a maximum of 9 hours if content is different. Prior to enrollment, student must have the independent study proposal approved by faculty supervisor and department chair.

300 German for Reading Knowledge. (3) A. Accelerated study of reading skills for those students wanting a reading knowledge of German. Cannot be used for major, minor, or general education credit.

301 German Literature I (to 1850). (3) A. Prerequisite: GER 202 or equivalent. Poetry, prose, and drama selections designed to introduce the student to major literary figures and movements. Among authors included are Martin Luther, Goethe, Schiller. Taught in German.

302 German Literature II (1850 to the present). (3) A. Prerequisite: GER 202 or equivalent. Continuation of GER 301. Among authors included are Thomas Mann, Kafka, Brecht. Taught in German.

310 Topics In German:_____ (1-3) A. Prerequisite: GER 202 or equivalent proficiency. May be retaken to a maximum of 6 hours if topic is different. Selected topics in German language, literature, or culture.

340 Intermediate Conversation. (3) A. Prerequisite: GER 240 or equivalent proficiency. Topics for conversation drawn from contemporary German life. Gen. Ed. 03, 04, 07 or 08.

360 Grammar for Meaning. (3) A. Prerequisite: GER 202 or equivalent proficiency. Communicative approach to grammar, syntax, and writing skills in a variety of cultural contexts. Gen. Ed. 03, 04, 07, or 08.

440 Modern German Culture. (3) I. Prerequisite: At least one 300-level GER course or equivalent proficiency. Conversation and composition exercises on topics from German post-World War II culture. Taught in German.

460 Advanced Grammar and Composition. (3) A. Formerly GER 405. Prerequisite: GER 360 or equivalent proficiency. Topics for composition drawn from literary materials.

495 Independent Work In German. (1-3) A. Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

GLY—Geology
Dr. Gary L. Kuhnhenn, Chair
103 Roark

108 Introductory Geology. (3) I, II. Investigation of the Earth as it exists and functions today, the materials that compose the Earth, the processes that act upon and within the Earth, and the interrelationship of both materials and processes with human activity. Credit will not be awarded to students who have credit for GLY 107. 2 Lec/2 Lab. Gen. Ed. 14.

109 Earth History. (3) I, II. Investigation of the origin of the Earth as a planet and its evolutionary development of physical and biological systems through time. Important turning points in the Earth's history will be emphasized. 2 Lec/2 Lab. Gen. Ed. 14.

302 Earth Science. (3) A. Introduction to the universe and our solar system, the Earth's atmospheric and climatic elements, its physical processes and features, organic development, and natural resources. Gen. Ed. 15 or 16.

304 Introduction to Oceanography. (3) I, II. The ocean basins, water circulation, energy budgets, ocean floor sediments, and marine life environments. Interactions with the atmosphere and lithosphere will be considered. Gen. Ed. 15 or 16.

307 Exploring the Dynamic Earth. (3) I, II. Formerly GLY 107. Planet Earth: origin, composition, and evidence of activity and energetic recycling of Earth materials via plate tectonics. Gen. Ed. 15 or 16.

309 Mineralogy. (3) I. Prerequisite: GLY 108. Classification, physical properties, crystal structure, geochemistry and paragenesis of the minerals found in common rocks. Soil minerals will be introduced. Lab develops the ability to identify minerals in rock hand samples. 2 Lec/2 Lab.

311 Optical Mineralogy. (3) II. Prerequisite: GLY 309 or departmental approval. Optical properties of common minerals as a basis for identification using the petrographic microscope, plus introduction to other diagnostic techniques. Lab develops the ability to identify minerals microscopically in grain mounts and rock thin sections. 2 Lec/2 Lab.

351 Field Methods. (3) A. Prerequisite: GLY 108 and GLY 109. Methods of field geology including description and measurement of rock sequences, introduction to geological mapping and writing geological reports. 1 Lec/4 Field (Saturdays).

390 Environmental Geology. (3) A. Study of interaction of human activity and hazardous geologic processes. Designed for non-science majors. Gen. Ed. 15 or 16.

398 Independent Studies in Geology. (1-6) I, II. Prerequisite: departmental approval. Topic determined by student and instructor. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours provided topic is different each time.

408 Process Geomorphology. (3) II. Prerequisite: GLY 108 or departmental approval. An in-depth study of the geologic processes involved in landform development.

409 Petrology. (3) I. Prerequisite: GLY 311. Nature and origin of common rocks (igneous, sedimentary and metamorphic), with emphasis on crystalline rocks. Lab develops the ability to analyze and classify rocks in hand sample and in thin section using a petrographic microscope. 2 Lec/2 Lab.

410 Structural Geology - Tectonics. (3) I. Prerequisites: GLY 109. Architecture of the Earth, specifically the deformation of the crust producing distinctive structures and continental mountain ranges. Lab develops the ability to analyze the geometry of deformed rocks and solve common structural problems. 2 Lec/2 Lab.

415 Sedimentary Geology. (3) A. Prerequisite: GLY 108 and 109 or departmental approval. Examination of sedimentary processes and products, the characteristics and origins of sedimentary rocks and their related depositional environments, and application of these principles to solving geological problems. Laboratory develops techniques for describing and interpreting sedimentary rocks, structures, and strat 2 Lec/2 Lab.

420 Stratigraphy and Paleontology. (3) II. Prerequisite: GLY 415. Formerly GLY 412. Emphasis on description, interpretation, and correlation of sedimentary strata and sequences, and the importance of fossils in solving geological problems and interpreting earth history. Laboratory develops techniques for analyzing strata and sequences, and for identifying and interpreting fossils. 2 Lec/2 Lab.

451 Field Camp. (6) SUMMER ONLY. Prerequisite: GLY 409 and 410. Field-training course in the northern and central Rocky Mountains (6 weeks). Analysis of rock sequences; geologic mapping of sedimentary, metamorphic, and igneous terrains; interpretation of complex rock deformation; regional geological synthesis with emphasis on tectonics; and visits to many instructive geologic localities, including national parks and monuments.

490 Applied Geology: Case Studies. (3) A. Prerequisite: GLY 109 or departmental approval. Detailed analysis of the environmental implications of human use of earth materials and interaction with geologic processes.

499 Senior Thesis. (3) A. Prerequisite: Senior standing and department approval. Supervised, independent thesis project for majors in geology. Thesis project must be approved by faculty supervisor and department committee prior to enrollment in the course.

500 Earth Science Problems for Teachers: _____. (1-3) I, II. Prerequisite: departmental approval. Designed to fit needs of individual students majoring in education (general science) who need special instruction in the earth sciences Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of nine hours provided topic is different each time.

503 Earth Materials. (3) I. Prerequisite: background in any science or departmental approval. Survey of natural materials: minerals, rocks, soils and natural resources presented in the compositional structure of the Earth, Emphasis on the interaction between these materials and human activity, and on analytical techniques. Does not count toward B.A./B.S. in geology. 2 Lec/2 Lab.

504 Earth Processes. (3) II. Prerequisite: background in any science or departmental approval. Survey of natural processes: weathering and erosion; transportation, deposition and consolidation of sediment; deformation and uplift of the Earth's crust. Emphasis on the interaction between these processes and human activity, and on analytical techniques. Does not count toward B.A./B.S. in geology. 2 Lec/2 Lab.

535 Hydrogeology. (3) I. Prerequisites: GLY 409 and 410 or departmental approval. Origin, occurrence, movement, utilization, and conservation of groundwater. Qualitative and quantitative presentation of geological, physical, and geochemical aspects of groundwater hydrology. 2 Lec/2 Lab.

540 Biogeochemical Treatment Processes. (3) A. Prerequisite: CHE 112 or departmental approval. Survey of remediation processes for polluted waters and soils; emphasis on understanding the science of and application for various treatment processes.

550 Evolution of the Earth. (3) A. Prerequisite: senior standing or departmental approval. Capstone course: overview of geological principles from the perspective of the Earth's history, physical and biological. Emphasis on critical thinking and expressive writing.

580 Selected Topics: _____. (1-3) A. Prerequisite: departmental approval. Designed to explore specific aspects of geology. May be retaken to a maximum of six hours provided topic is different each time.

GRE—Greek
Dr. Anne Brooks, Chair
368 Case Annex

101 Beginning Greek I. (3) A. Introduction to the grammar of classical Greek and the Koine Greek of the New Testament and to the reading of elementary texts. Recommended for students majoring in languages, ancient history, and religion. Gen. Ed. 03 or 04.

102 Beginning Greek II. (3) A. Continuation of GRE 101 with more advanced work in grammar and syntax and the reading of Xenophon's Anabasis. Gen. Ed. 03 or 04.

GSD—Student Development
Dr. Rita Davis, Associate Vice President
Jones 416

225 Leadership Dynamics. (2). II. The course is designed to introduce current and emerging leaders to leadership theory and development. Attention is given to self awareness, leadership styles, conflict resolution, communication skills, ethics and values and real world experience. Information is provided through class discussion, speakers, group work, journals and case studies.

GSL—Learning Skills
Dr. Bonnie Plummer, Acting Chair
467 Case Annex

090 Developmental Reading I. (3) I, II. Designed to develop reading skills through classroom instruction, discussion, and learning activities. Taken by referral or placement. Institutional credit when exit level attained and cannot be used for graduation.

095 Developmental Reading II. (3) I, II. Designed to meet the instructional needs of students who have basic command of reading sub-skills but who lack the higher-level reading skills Taken by referral or placement. Institutional credit when exit level attained and cannot be used for graduation.

112 College Reading/Study Skills. (3) I, II. Prerequisite: GSL 095; passing the reading screening examination or ACT composite of 18+ Emphasizes development of higher-level reading skills and study strategies. Instruction and practice in textbook reading, summary writing, listening, note taking, vocabulary, test-taking, and learning techniques. Only two credits will be awarded to students with credit for GSL 115. Gen. Ed. 03.

115 Learning Dynamics. (1) I, II. Five-week course concentrates on learning techniques for efficient and effective study of college reading materials. Emphasis on learning, storing, and retrieving information. Credit not available for students with credit for GSL 112. Gen. Ed. 03.

116 Efficient Reading. (1) I, II. Five-week course concentrates on increasing reading efficiency by improving rate and comprehension. Emphasis on acquisition of skills and application of techniques. Gen. Ed. 03

201 Vocabulary Development. (2) I, II. Mastery of wide range college-level vocabulary for reading, writing, speaking, and listening. Instructions in using context and Greek and Latin elements to unlock meaning. Includes practice in solving verbal analogies. Gen. Ed. 03.

205 Topics in Reading: _____. (1-3) A. Instruction focused on specific areas of reading and studying through selected topics. Gen. Ed. 03.

GSO—Orientation for Undeclared Students
Dr. Rita Davis, Associate Vice President
Jones 416

100 Academic Orientation. (1) I, II. An orientation to university academic life and career planning and preparation. Topics include university policies and procedures, program requirements, career opportunities, and introductory study skills Open to all students during their first two semesters of enrollment at EKU; beyond that open to students with fewer than 30 semester hours earned

101 Cultural Orientation for International Students. (1) A. An orientation to American customs and the American education system for undergraduate international students attending an American university for the first time Students are also required to take GSO 100.

102 Transition to College. (2) A. Prerequisite: taken by referral or placement. The course is an intensive introduction to the university, including study skills, cultural and learning resources, career exploration, and the academic life.

149 Co-op Professional Seminar. (1) I, II. Prepare students for the job market prior to co-oping. Topics include: self-assessment, communication, resumes and cover letters, interviewing techniques, business etiquette. Credit will not be awarded to students who have credit for SPE 330.

HCA—Health Care Administration
Dr. Jessica Frazier, Interim Chair
319 Combs

349 Cooperative Study in Health Care Administration. (1-4) A. Prerequisites: minimum GPA of 2.25 and BBA majors only. Co-curricular work experience under faculty and field supervisors in placements related to academic studies. Training plan required. Normally one to four hours credit per semester or summer. Minimum 80 hours work required for each academic credit.

370 Health Agency Accounting. (3) II. Prerequisite: ACC 202. Complexities of health agency accounting including: accounting for cost, patient revenues, third party reimbursement programs, and public rate regulation procedures.

375 Seminar in Health Care Administration. (3) A. Prerequisite: ACC 300 with a grade of "C" or better. Individual and group investigation of contemporary problems, issues, and trends in selected health care facilities

HEA—Health Education
Dr. Donald L. Calitri, Chair
420 Begley

202 Safety and First Aid. (2) I, II. Instruction and practice in first aid and safety procedures Includes assessment and first aid procedures regarding life-threatening emergencies, injuries, medical emergencies, and rescues. Focus on prevention, as well as first aid. Includes certification in Adult CPR. Credit will not be awarded to students who have credit for EMC 102.

203 Respiratory and Circulatory Emergencies (CPR). (1) I, II. Methods involved in the performance of cardio-pulmonary resuscitation. Completion of class certifies student with American Red Cross Community CPR. Credit will not be awarded to students who have credit for EMC 102.

281 Personal and Community Health. (2) I, II. Study of factors enabling intelligent health decisions as they relate to the physical, mental, and social health of self, family, and community at present as well as the years beyond the college days. Gen. Ed. 19.

290 Foundations of Health Education. (3) II. The history, foundational disciplines, and principles that led to the establishment of health education. The role of health education in the present health care system.

315 Contemporary Health Problems. (3) II. Etiology, effects, remediation, and prevention of selected current health problems. Nature of current health issues and forces which shape them.

345 Drugs, the Individual, and Society. (3) I, II. Effect of drug use and abuse on the individual and society. Personal and community approaches for promoting intelligent decision making regarding drugs.

349 Cooperative Study in Public Health. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in a cooperative placement related to a student's academic studies Credit varies with hours of employment, one to eight hours per semester or summer. May be retaken to a maximum of 12 hours. Minimum 80 hours employment required for each semester hour credit.

360 Community Health Education Process. (3) II. Prerequisite: CSC 104 or CIS 212 or department chair approval. Planning, organizing, delivering, and evaluating the community health education program.

375 Family Life Education. (3) II, A. Biophysical and psycho social aspects of sexuality and relationships, with emphasis on choices affecting health and well-being. Focuses on developing skills in teaching and facilitating positive behavior changes for people working in schools and communities. Credit will not be awarded to students who have credit for CDF 232.

380 Mental Health Education. (3) I. Basic needs for mental and emotional wellness. Emphasis in the selection of appropriate activities for promoting mental health through community agencies.

390 Instructor of Standard First Aid and Personal Safety. (1) A. Designed to develop individual teaching techniques for first aid and to provide adequate knowledge and skills for instruction. Successful completion leads to American Red Cross certification as a Standard First Aid and Personal Safety instructor.

391 Instructor of CPR. (1) A. Prerequisite: HEA 203 or current CPR certification. A course designed to prepare instructors to teach respiratory and circulatory emergencies (CPR). Certification to teach the American Red Cross Adult, Child, Infant, and Community CPR will follow successful completion. Other related pedagogical methods will be explored.

416 Introduction to Public Health. (3) II, A. Formerly HEA 516. An introduction to the organization and functions of public health at local, state, and national levels. Identifies relationship between human ecology and the public's health. Includes projection of future public health direction.

440 Interpersonal Skills in Community Health Education. (1) II. Communication and leadership skills useful to a person in community health education. Theory of and practices in group processes.

450 Interpretation of Health Data. (3) I. Understanding graphical, statistical, and research techniques used in health. Developing competencies in analyzing and interpreting research results. Credit will not be awarded to students who have credit for CRJ 400 or ECO 220 or ECO 824 or EPY 842 or PSY 291 or QMB 200 or STA 208 or STA 215 or STA 270.

455 Introduction to Epidemiology. (3) I, A. Formerly HEA 555. Factors that affect the occurrence and courses of diseases—causative agents, susceptible hosts, favorable environments, and the effective use of statistical epidemiological methods.

458 AIDS and the Social Response. (2) A. Cross listed as SWK 458. Prerequisites: SOC 131, PSY 202, and junior standing or instructor's approval. Psychosocial aspects of HIV infection. Exploration of methods of responding to and serving people with HIV. Development of population specific prevention strategies. Credit will not be awarded to students who have credit for AHN 342 or SWK 458.

463 Field Experiences in Community Health. (1-6) A. Offered cooperatively with official and voluntary agencies to seniors. Consists of actual field experiences and training in local and state health agencies with emphasis on application of classroom concepts. May be repeated to a maximum of six hours.

472 Internship: Wellness. (1-6) A. Cross listed as PHE 472. Supervised experiences in the directing of wellness activities in various settings. May be retaken to a maximum of six hours. Credit will not be awarded to students who have credit for PHE 472.

498 Independent Study. (1-3) I, II. Opportunity for individual work on a health problem in a supervised situation. Restricted to students who have demonstrated ability to complete individual endeavors. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of three hours.

590 Health Education: _____. (1-3) A. Study of pertinent problems in health and health education. Includes topics such as: health care delivery, child abuse, teenage pregnancy, community health organizations, elementary school health curriculum, drug education, school health services, health deviations among students, sexually transmitted diseases, etc. May be retaken with advisor approval provided subtitle is different.

591 Women's Health. (3) A. Analysis of the major health problems of contemporary women with a special emphasis on health promotion, disease prevention, and consumer health concerns.

592 Human Sexuality. (3) A. Study of the biological, social, and psychological aspects of human sexuality. Directed primarily toward those individuals in situations which require them to assist others in understanding the broad impact of one's sexuality. Emphasis is placed upon student development of logical and reasoned justifications for their own value system.

593 Death and Grief. (3) A. A study of attitudes, behaviors, and issues concerning death and grief. Topics include responses to death and grief throughout the life cycle, process of grief and bereavement, theology and death, legal aspects of dying; care of the dying, suicide, post-mortem care, death education.

594 Chemical Abuse and Dependency. (3) I, II. Study of the nature and progression of chemical abuse and dependency, and effects on the individual, family, and society. Includes study of strategies for prevention, intervention, and treatment.

595 Alcohol and Alcoholism. (3) A. A study of cultural attitudes and customs regarding alcohol, biological, psychological, familial, and sociological impact of alcohol attitudes and behaviors, influences on alcohol choices, problem drinking and alcoholism, including prevention, intervention, and treatment.

596 Approaches to Chemical Dependency Treatment I. (3) I, II. Prerequisites: HEA 594 or 595. Understanding and approaches in chemical dependency counseling, using international certification guidelines. Includes: screening, intake, orientation, assessment, intervention, education, referral, record-keeping, HIV, and consultation.

597 Approaches to Chemical Dependency Treatment II. (3) I, II. Prerequisite: HEA 596. Understanding and approaches in chemical dependency counseling, as identified in international certification guidelines. Includes: needs, counseling approaches, and ethics regarding special populations.

598 Health Promotion Program Planning. (3) I. An introduction to principles, strategies, and skills which are necessary for the planning and implementation of health education and health promotion programs in a diversity of settings.

HIS—History
Dr. David Sefton, Chair
323 Keith

142 Foundations of World Civilization. (3) I, II. Formerly GSS 142. Focuses on pre-history, including theories of human origins and the development of culture and societies. Examines the Agricultural Revolution and the emergence of the first civilizations. Gen. Ed. 09.

200 Introduction to Historical Methods. (1) A. Prerequisite: HIS majors only. Prerequisite or Corequisite for all upper division courses for HIS majors. Introduction to reading and writing techniques in History.

202 American Civilization to 1877. (3) A. Transition from colonial to independent republic; social, cultural, and economic institutions derived from agrarian conditions; the influence of European foundations. Required of all majors and minors in history. Gen. Ed. 10.

203 American Civilization since 1877. (3) A. Conflicts between demands of an industrial society and agrarian values; interrelationships between world expressions and American experience. Required of all majors and minors in history. Gen. Ed. 11.

231 Western Civilization I. (3) A. Ancient Greece to the industrial revolution, institutions, ideas, and social and economic relationships basic to the modern world. Credit will not be awarded to students who have credit for GSS 246. Gen. Ed. 10.

232 Western Civilization II. (3) A. Industrial revolution to present; transformation of cultural background through ideas, science, and industry, development of current western civilization. Credit will not be awarded to students who have credit for GSS 247. Gen. Ed. 11.

246 Preindustrial World Civilizations. (3) I, II. Formerly GSS 246. Analyzes the pattern and historical development of agrarian civilizations, particularly in the Middle East (including North Africa), South Asia, East Asia, and Europe. Credit not awarded for both GSS 246 and HIS 231. Gen. Ed. 10.

247 Industrialism in World Civilizations. (3) I, II. Formerly GSS 247. Examines the European origins of the Industrial Revolution and its global diffusion. Surveys the major political, social, and economic developments in the Industrial era. Credit not awarded for both GSS 247 and HIS 232. Gen. Ed. 11.

300 Topics in History: _____. (1-3) A. Movements in history that have influenced and continue to influence the course of culture and civilization. May be retaken to a maximum of six hours provided topics vary.

303 Women in American History. (3) A. Prerequisites: HIS 202 and 203; or instructor approval. Social, economic, and cultural role of women in America. Women's work, social position and status; women in reform movements, feminism and the suffrage movements; the new feminism.

305 African-American History. (3) A. Prerequisites: HIS 202 and 203; or instructor approval. African history to 1500; Europe, Africa, and the Americas, trans-Atlantic and domestic slave trades, American slavery; emancipation, post-emancipation experiences and initiatives, persistence of black nationalism. Gen. Ed. 12.

312 Independent Study in History: _____. (3) A. Individual research and/or reading on a problem area in history. Regular reports and final research paper required. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

315 History and Memory. (3) A. Prerequisite: HIS 203, 232, or HON 311; or instructor approval. The relationship between the discipline of History and human memory, both individual and social. Prominent episodes, personalities, and processes are examined as case studies.

320 History of the Arab World. (3) A. A historical survey of the Arabs, with special attention to the Arab role in the development and spread of Islam, the interaction of the Arabs with other Middle Eastern peoples, and the Arab reaction to the challenge posed by the modern West, all significant factors in the political and cultural shaping of the contemporary Middle East.

330 Seminar in Contemporary World Civilization. (3) I, II. Formerly GSS 300. Prerequisite. Three hours of social science or instructor approval. Examines social issues that are global in scale, relates them to the continuing

process of industrialization, and analyzes them within their historical and cultural contexts. Gen. Ed. 12.

336 Greco-Roman Civilization. (3) A. Greek society and culture; emergence of the Roman Republic; the Roman Empire.

339 Medieval Civilization. (3) A. Prerequisite: HIS 231 or instructor approval. The collapse of the Classical world; the Germanic migrations; early Byzantine and Islamic civilizations; the Carolingians; the church and society; feudalism; commercial and urban revival; the rise of territorial states and the beginnings of European expansion.

340 European History from 1300 to 1815. (3) A. Prerequisites: HIS 231 and 232; or instructor approval. Renaissance and Reformation to the French Revolution and Napoleon.

342 Europe from 1815 to 1914. (3) A. Prerequisite: HIS 232 or instructor approval Congress of Vienna, revolutionary reform; liberalism; realism and nationalism; worldwide impact of Europe prior to World War I; industrialism, imperialism

345 English History to 1603. (3) A. Prerequisite: HIS 231 or instructor approval. Roman Britain; Feudalism; rise of Parliament; Hundred Years' War; Reformation; Elizabethan Age.

346 English History from 1603 to present. (3) A. Prerequisites: HIS 231 and 232, or instructor approval. Civil War; imperial expansion; beginnings of industrialization; Victorian Liberalism; two world wars and beyond.

347 Recent and Current World History, 1914 to present. (3) A. Prerequisite: HIS 232 or instructor approval. World War I; peace settlement of 1919; problems of security; war debts and reparations; disintegration of peace settlement, World War II; the Cold War.

349 Cooperative Study: History. (1-8) A. Prerequisite: departmental approval. Does not apply toward a major or minor in history. Work in placements related to academic studies One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate A minimum of 80 hours employment required for each semester hour credit.

350 Modern Germany. (3) A. Prerequisite: HIS 232 or instructor approval. Nationalism, liberalism, and the German problem; Bismarck and unification; industrialization and socialism; World War I; Weimar Republic and Depression; Hitler and the Third Reich; World War II and the Holocaust, Federal Republic and GDR; Cold War and beyond.

354 Modern France. (3) A. Prerequisite: HIS 232 or instructor approval. Economic, political, social, and cultural developments in France from 1789 to the present

363 History of Russia. (3) A. Prerequisite HIS 231 or 232, or instructor approval. Formative period of Slavic states; social and economic forces leading to autocracy; growth of revolutionary thought and action to Revolution of 1917.

365 History of 20th Century Russia. (3) A. Prerequisite: HIS 232 or instructor approval. Lenin and radicalism; war and revolution, 1914-17; civil war; building the Soviet state; Stalinism; World War II; Cold War issues, Stalin's successors; Gorbachev to the present.

374 East Asian History to 1600. (3) A. China and Japan from the beginnings of East Asian civilization in Neolithic times to the early modern period; the development of key social, economic, and political institutions; the Confucian tradition and the introduction of Buddhism; the Mongol era, the late imperial order in China and the emergence of Japanese feudalism.

375 East Asian History since 1600. (3) A. China and Japan from early modern times to the present; the formation of the Ch'ing order in China and Tokugawa Japan; foreign encroachments and internal revolt; the Meiji Restoration; late Ch'ing reform; the Revolution of 1911; warlordism; the Pacific War; Civil War; Japan as superpower and Communist China.

378 Modern India. (3) A. Prerequisite: HIS 247, HIS 232, HON 311, or instructor approval. India since c.1500. Geographical, historical and institutional background to Modern India. Islam and the Mughal Empire. British India and Indian Nationalism. The independence movement. South Asia since independence.

383 Colonial Latin America. (3) A. Prerequisite: HIS 203, 232, or HIS 247; or instructor approval. The colonial and independence years in Latin America, with emphasis on the conquest and settlement experiences, and the administrative, cultural, and socioeconomic trends in the colonies.

384 Modern Latin America. (3) A. Prerequisite: HIS 203, 232, or HIS 247; or instructor approval. The national period in Latin American history, with emphasis on dependency theory, Roman Catholicism in the region, and United States-Latin American relations.

401 American Colonial Period. (3) A. Prerequisite. HIS 202 or instructor approval. Political and social history of the 13 colonies and their neighbors; European background, settlement, westward expansion; intercolonial conflicts; beginnings of culture; colonial opposition to imperial authority

402 Revolutionary America. (3) A. Prerequisite: HIS 202 or instructor approval. Colonial background of Revolution; internal and external nature of Revolution; problems associated with Confederation; events leading to the American Constitution.

403 Jacksonian America, 1824-1848. (3) A. Prerequisite: HIS 202 or instructor approval. Political, social, and economic transformation in an era of general exuberance.

405 America's Westward Expansion. (3) A. Colonial frontier; trans-mountain movements, Indian problems; Manifest Destiny; the sectional struggle; mining, railroads; cattle; agriculture.

406 South in American History. (3) A. Prerequisites: HIS 202 and 203; or instructor approval. Concepts of Southern exceptionalism; social, political, and economic characteristics; the role of the South within the United States.

408 The Early Republic, 1789-1824. (3) A. Prerequisite: HIS 202 or instructor approval U. S. Constitution and subsequent political developments, early growth of capitalism and its social consequences; changes in gender and racial ideologies; Native American resistance and westward expansion of the United States

411 America, 1877-1920. (3) A. Prerequisite: HIS 203 or instructor approval. Western expansion, industrialization; America's becoming a world power; reform movements; immigrants', African-Americans', and women's lives; World War I, popular culture.

412 Depression and War, 1920-1945. (3) A. Prerequisite: HIS 203 or instructor approval. The 1920's; the New Deal; the changing role of government; America's role in world affairs; World War II; popular culture.

413 United States and World Responsibility, 1945-Present. (3) A. Prerequisite: HIS 203 or instructor approval Problems of postwar adjustment; the Cold War; the affluent society, problems inherent in world leadership.

433 American Diplomatic History. (3) A. Prerequisite: HIS 203 or instructor approval. American foreign relations from the late 19th century to the present, emphasis on development of major trends such as isolationism, imperialism, and internationalism.

449 Readings in History. (3) A. Prerequisites: HIS major and three hours upper-division HIS. Reading and analysis of important historic literature.

450 Senior Seminar in History (3) A. Prerequisites: HIS major and six hours of upper-division HIS, passage of UWR, and completion of at least one required term paper, or departmental approval. Research and writing in History.

474 Transformation of China. (3) A. Prerequisites: HIS 232, HIS 247, or instructor approval. The transformation of China from the Qing dynasty (1644-1911) to the People's Republic, the impact of the West; the Nationalist government, the rise of the Chinese Communist party, and the Cultural Revolution.

475 History of Modern Japan. (3) A. Prerequisite: HIS 232, HIS 247, or instructor approval. Japan from 1600 to the present. Included will be the arrival of the West, industrialization, militarism, World War II, and Japan as economic superpower.

500 Advanced Topics in History: _____. (3) A. Special topics beyond the scope of regularly offered courses. May be retaken to a maximum of six hours provided the subject differs each time.

507 Civil War and Reconstruction. (3) A. Prerequisite. HIS 202 or instructor approval Causes, nature, and consequences of U S Civil War and Reconstruction.

509 Urban America. (3) A. Prerequisites HIS 202 and 203; or instructor approval Growth, development, and implications of the city

516 Kentucky History. (3) A. Social, economic, and political survey; Kentucky's role in national developments.

530 American Social and Intellectual History to 1850. (3) A. Prerequisite: HIS 202 or instructor approval. European influences, the colonial mind; revolutionary attitudes, New England's leadership; the movement of protest and reform, the rise of a native literature

531 American Social and Intellectual History since 1850. (3) A. Prerequisite. HIS 203 or instructor approval Civil War; Protestantism and capitalism; Social Darwinism, literature of naturalism and realism, the 20th century mind

549 Tudor-Stuart England, 1485-1688. (3) A. Prerequisite HIS 345 or 346, or instructor approval. Resurgence of the monarchy; Protestant Reformation; Rise of Parliament, Anglicanism vs Puritanism, Glorious Revolution.

HNF—Health Information
Prof. Frances Hindsman, Chair
117 Dizney

201 Introduction to Health Information. (2) I, II. Prerequisite or Corequisite AHN 200. Development of the health information profession and practice in techniques relative to completion of birth and death certificates, chart assembly, and medical record filing and retention methods 3 Lec/Lab.

202 Health Information Processing. (3) I, II. Prerequisites. HNF 201, 203 and CIS 230. Survey of health information systems, systems analysis and health data base management. 4 Lec/Lab.

203 Fundamentals of Medical Science. (4) I, II. Prerequisites: AHN 200, BIO 171, and 301 An introduction to the study of disease—its causes, symptoms, and treatment 5 Lec/Lab

305 Health Information Standards. (3) I, II. Prerequisites: HNF 201 and 203 Medical record content, methods of maintaining licensure, certification and accreditation standards relative to medical record documentation and health information management.

306 Medical Nosology. (3) I, II. Prerequisite: HNF 203 or instructor approval. Coding and classification of symptoms, diseases, operations, and procedures according to ICD-9-CM Manual and computerized coding of hospital records and DRG assignment 4 Lec/Lab.

308 Specialized Health Records and Registries. (2) I, II. Prerequisite: HNF 305. Maintenance of health records in non-hospital health care facilities; organization, functions, and procedures of specialized registries; and medical staff organization and functions. Blocked during the first half of the semester.

310 Healthcare Data Quality and Utilization. (4) I, II. Prerequisites. HNF 201 and MAT 105 or 107. Prerequisite or Corequisite. HNF 305. Healthcare data analysis for administrative uses in quality improvement and utilization management.

312 Medical Record Technical Practice. (6) I, II. Prerequisite: instructor approval. Internship assignment to hospital medical record/health information departments for observation and practice of technical medical record functions Blocked during the second half of the semester.

314 Advanced Medical Nosology. (3) I, II. Prerequisite: HNF 306 or instructor approval. HCPCS and ICD-9-CM coding and reimbursement systems for physician services and hospital inpatient and outpatient services. Blocked during the first half of the semester. 3 Lec/Lab.

316 Health Information Technical Practicum. (3) A. Prerequisite: HNF 306 Prerequisites or Corequisites: HNF 314 and 401 Assignment to hospital medical record departments for observation and practice of certain technical medical record functions (designed primarily for four year baccalaureate and post-baccalaureate students). Blocked during the second half of the semester

332 Legal Principles for Health Care Professionals. (2) I, II. Prerequisite or corequisite HNF 305. Basic aspects of law and its implications for health care, including professional liability, confidentiality, consents and authorizations, and contemporary issues

370 Computerized Health Information Processing. (3) I. Prerequisite: instructor approval Health information systems, systems analysis, and health data base management

401 Legal Issues in Health Care. (3) II. Prerequisite. HNF 305 or instructor approval. Legal status, documentation requirements, and liability related to medical records and health care issues

404 Health Information Consulting and In-service. (3) I. Prerequisites: HNF 409 and 312 or 316. Planning, implementing, and evaluating health information consultation services and in-service education programs

405 Clinical Information Management. (3) II. Prerequisite. final semester in HNF B S program A discussion of selected diseases of the major body systems from various perspectives, including clinical, ethical, economical, public health, and the HIM role Exercises in the use of the Kentucky Cancer Registry and Internet medical resources Blocked during first half of the semester

406 Health Care Quality Management. (3) I. Prerequisites: HNF 409 and 312 or 316 or instructor approval. A study of total quality management, utilization review, and risk management functions in a health care setting

407 Health Information Management. (3) I. Prerequisites: MGT 320, HNF 409, and 312 or 316 Application of management principles to the administration of hospital medical record/health information departments.

409 Health Information Research Methods. (3) I. Prerequisites. approved statistics course and HNF 370 Introduction to the process of research, related terminology and statistical techniques, significance to health care, critique of published research articles, and development of a protocol. Review of hospital statistics and uses.

410 Advanced Health Information Management. (2) II. Prerequisite. final semester in HNF B.S program. Discussion of trends, updates, and practical problems related to health information management. Blocked during the first half of the semester.

412 Health Information Management Practicum. (6) II. Prerequisite: final semester in HNF B.S. program. Corequisite: HNF 414. Internship assignment to hospital medical record/health information departments for observation and practice of management functions. Blocked during the second half of the semester.

414 Seminar in Health Information Management. (1) II. Corequisite: HNF 412. Review and discussion of health information management theory and in practice.

498 Independent Study in Health Information. (1-6) A. Prerequisite. Student must have the independent study proposal approved by faculty supervisor and department chair prior to enrollment. Directed study or research on an issue or area of interest to the health information profession. May be retaken to a maximum of six hours.

HON—Honors Program Courses
Dr. Rita Davis, Associate Vice President
Jones 416

100 Honors Seminar. (1) I. This course is designed to be an introduction to the Honors Program and will include selected readings and discussions, guest speakers, and enrichment experiences

102 Honors Rhetoric. (6) I. Designed to improve skills in writing, reasoning, oral presentation, and research. Each student will do a research paper that requires both significant use of library resources and the development of a cogent line of argument. Gen. Ed 01 and 02.

205 Honors Humanities I. (3) II. This course (together with HON 306) provides a survey of great works in the humanities from ancient times to the twentieth century. Gen Ed 05.

210 Honors Civilization I. (3) II. Analyzes the historical development of Western and other major civilizations to the eve (c 1700) of the Industrial Revolution with emphasis on Ancient Greece, the historical setting for an Asian Religion, Europe c. 1300, and Europe c. 1650. Gen Ed. 10

304 Special Topics. (3) A. Prerequisite student must be in the Honors Program or have honors director approval A topics course meeting the goals of the Honors Program as well as those of General Education category 04 May be retaken with different topics to a maximum of six hours.

306 Honors Humanities II. (3) I. This course (together with HON 205) provides a survey of great works in the humanities from ancient times to the twentieth century. Gen. Ed. 06.

308 Special Topics. (3) A. Prerequisite student must be in the Honors Program or have honors director approval A topics course meeting the goals of the Honors Program as well as those of General Education category 08 May be retaken with different topics to a maximum of six hours.

311 Honors Civilization II. (3) I. Analyzes the economic, political, and intellectual forces that have changed the world since c. 1700 A.D. with emphasis on the French Revolution, the Industrial Revolution, Imperialism, the World Wars and the Emergence of the Third World Gen. Ed 11.

312 Special Topics. (3) A. Prerequisite student must be in the Honors Program or have honors director approval. A topics course meeting the goals of the Honors Program as well as those of General Education category 12. May be retaken with different topics to a maximum of six hours.

315 Honors Science. (3) II. Prerequisite student must be in the Honors Program or have honors director approval In-depth treatment of a centrally important concept or conceptual scheme in science, illustrating the nature of scientific inquiry and the relationship between science and other human endeavors Class discussion and writing will be stressed. Gen. Ed 15.

316 Special Topics. (3) A. Prerequisite: student must be in the Honors Program or have honors director approval. A topics course meeting the goals of the Honors Program as well as those of General Education category 16. May be retaken with different topics to a maximum of six hours.

320 Special Topics. (3) A. Prerequisite: student must be in the Honors Program or have honors director approval. A topics course meeting the goals of the Honors Program. May be retaken with different topics to a maximum of six hours.

390 Directed Topics in Honors. (1-3) A. Prerequisite: Approval of honors program director. Specialized study of selected topics usually culminating in an official presentation at a conference such as the National Collegiate Honors Conference. Student must have the special topics proposal form approved by a faculty mentor prior to enrollment. May be retaken with different topics to a maximum of six hours

420 Thesis Project and Seminar. (3-6) I, II. An in-depth thesis or major project, approved by the honors director, and presented in a suitable format within the seminar

HPR—General Physical Education
Dr. Lonnie J. Davis, Chair
202 Weaver

180 Fitness and Wellness. (1) I, II. An examination of wellness concepts associated with physical and motor fitness with lecture and laboratory experiences for individual assessment, practice of exercise systems, and improvement of body function. Gen. Ed. 17.

282 Exercise, Movement, and Sports Skills. (1) I, II. Course focuses on skill acquisition and improvement of function through selected activities in sports, dance, aquatics, and exercise systems. Gen. Ed. 18

HPR—Lifetime Activity Series
Dr. Lonnie J. Davis, Chair
202 Weaver

190 Wellness Experience: _____. (1-2) I, II. Wellness activities of current interest and/or need for students May be retaken to a maximum of six hours; if subtitles are different

390 Lifetime Activity Series: _____. (1/2–2) I, II. A series of activities suitable for participation throughout life. Includes rules, skills, techniques, and strategies May be retaken to a maximum of four hours toward graduation requirements.

HUM—Humanities
Dr. Anne Brooks, Chair
368 Case Annex

124 Humanities and the Search for Meaning. (3) I, II. Seniors must have approval of the department chair. No credit after earning nine or more hours of general education humanities Through study of works of literature, visual art, and music, this course introduces students to integrative thinking as a means toward affirming values for living meaningfully in today's world Gen. Ed. 07 or 08.

226 The Search for Meaning: The Ancient World. (3) I, II. Prerequisite: HUM 124. Through study of works of literature, visual art, and music, this course focuses on the ideals of ancient and medieval cultures and on integrative processes that gave rise to them with emphasis on the development of world views. Gen. Ed. 05.

228 The Search for Meaning: The Modern World. (3) I, II. Prerequisites: HUM 124 and 226 or HUM 124 and ENG 211. Through study of works of literature, visual art, and music of Europe since 1450 and of one other modern tradition, this course

focuses on modern values with emphasis on the creativity and responsibility of the individual. Gen. Ed. 06.

300 The Individual in Contemporary Society. (3) A. Prerequisites: HUM 226 or ENG 211 and HUM 228 or ENG 212. The major concern of this course is the problem of establishing and maintaining human dignity and personal worth in rapidly changing contemporary society. This problem is explored in selected examples of contemporary literature, visual art, and music. Gen. Ed. 08.

400 Topics in Humanities. (3) A. An examination of a selected topic for the purpose of increasing one's understanding of the human experience. Study of the topic will involve an interdisciplinary approach and a global perspective. May be retaken to a maximum of six hours if the topic is different each time.

410 Humanities Seminar. (3) A. Prerequisite: departmental approval. In this course, students will examine interdisciplinary methodologies and will work together and independently on interdisciplinary projects They will learn about resources appropriate to the study of humanities, and they will be given opportunities to experience the creative process firsthand.

IDH—Interior Design and Housing
Dr. Diane Maynard, Chair
102 Burrier

121 Survey of Interior Design. (3) I, II. An orientation to the profession: relationship to allied fields, contemporary developments, professional organizations, career options and philosophical approaches. Introduction to the principles and elements of design, programming, space planning, and decorative ornamentation.

221 Graphic Communication and Analysis. (3) I. Prerequisites or Corequisites: IDH 121. Emphasis on graphic communication as part of the design process for interior designers. Integration of drawing skills and color usage employed in graphic representational methods used to analyze and describe interiors and conceptualize ideas.

222 Studio i: Visual Studies and Design Application. (3) II. Prerequisites: IDH 221. Prerequisites or Corequisites: ART 102 and 103, CON 250. A study of spatial organization, and design theory. Communication of design problem solutions through practical and creative application of design elements and principles.

224 Interior Materials and Components. (3) I, II. Prerequisite: IDH 121 or consent of instructor. Investigation of interior finish materials and component systems used in the design profession: their properties, performances, application and installation techniques, as well as the appropriate trade sources.

229 Computer Applications in Interior Design. (3) I, II. Prerequisite: IDH 221 or consent of instructor. Experimentation with computer usage during the design process and the production of interior design solutions. Both graphic and word processing applications will be explored. 2 Lec/2 Lab.

250 The Residential Environment. (3) A. Concepts influencing housing: family values and needs with emphasis on residential environment. Original plans include space analysis, room arrangement, equipment, storage created, considering design elements, principles, and objectives. Open only to non-IDH majors.

317 Interior Design Study Tour I. (1-3) A. Prerequisite: Interior design major who has completed 30 hours or instructor approval. A tour planned for interior design students to observe the operation of establishments involved in production, sales, and/or display of items such as furniture and accessories. Special project required.

319 Seminar in Interior Design. (1-3) A. A study of technical information relevant to interior design. Course content to be determined by student interests and needs. May be retaken to a maximum of six hours provided the content is different.

320 Furnishing the Residential Environment. (3) A. Coordination of furnishings and accessories within the residential environment; application of design elements, principles, and objectives through lectures and discussions, readings, and field trips. Open only to non-IDH majors. Lec.

322 Studio II: Residential Design. (3) I. Prerequisites: GPA 2.5 (major) ADM 302 and IDH 222; CON 250. Corequisite or Prerequisite: ADM 302. Programming, space planning, and study of functional and aesthetic aspects of residential environments, resulting in appropriate oral and visual presentations.

326 Studio III: Contract Design I. (3) II. Prerequisite: IDH 322. Corequisite: CON 350 and IDH 329. Programming, space planning, and application of design elements and principles in contract design, resulting in appropriate oral and visual presentations.

327 History and Theory of Design I. (3) II. Prerequisite or Corequisite: ART 390. Study of the history and theory of architecture, interiors, and decorative arts of ancient and classical civilizations, the Middle Ages, and the Renaissance: their design theories, significance and application to current design.

328 History and Theory of Design II. (3) I. Prerequisite or Corequisite: ART 391. Study of the history and theory of design in architecture, interiors, furnishings of French, English, and American periods from the Renaissance through the 19th century revival styles: their design theories, significance and application to current design.

329 Environmental Control Systems. (3) I. Corequisite: IDH 326. An introduction to lighting, acoustics, HVAC systems, energy conservation, and other environmental controls. Emphasis on the theory and practical application of these systems in interior spaces. 2 Lec/2 Lab.

330 The Professional in Interior Design. (3) II. Corequisite: IDH 322. Objectives, procedures, and ethics for the professional interior designer, with emphasis on professional practice.

331 Twentieth Century Design. (3) II. Prerequisite or Corequisite: IDH 328. A study of the history and theory of architecture, interiors, furnishings, significant architects and designers of the late 19th and 20th centuries with projection for the future.

332 Housing Alternatives for Elderly. (3) A. Examination of the housing options and alternatives for the elderly population resulting in an awareness of and responsiveness to the needs of the user.

349 Cooperative Study in Interior Design. (1-8) A. Work under faculty and field supervisors in placements related to academic studies. One to eight hours per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. Minimum of 80 hours work required for each hour credit.

419 Special Problems in Interior Design. (1-3) A. Prerequisite: senior standing or instructor approval. An appropriate problem is proposed in consultation with an advisor/instructor and completed under supervision. May be retaken to a maximum of six hours provided topics vary Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

422 Studio IV: Contract/Residential Design II. (3) I. Prerequisites: IDH 326, 329, and 428. Analysis, organization, advanced programming and commercial and residential interior environments, emphasizing special populations and institutional design, resulting in functional and aesthetic design solutions.

424 Issues in Interior Design. (3) A. Prerequisite: junior standing or instructor approval. Individual and group investigation of current responsibilities and issues relevant to the field of interior design.

426 Studio V: Contract Design III. (3) II. Prerequisite: IDH 422. Advanced studio experiences in programming, space planning, historic preservation, and adaptive use in contract applications, resulting in appropriate oral and visual presentations

428 Supervised Field Experience in Interior Design. (6) A. Prerequisites: open to IDH B.A. students only, IDH 326, 330, minimum 2.25 GPA, and 2.5 major GPA. Observation of an interior design firm's operation and program, with performance in assigned tasks under supervision. Reservations should be made a semester in advance.

517 Interior Design Study Tour II. (1-3) A. Prerequisite: Interior Design major who has completed 90 hours or instructor approval. Tour of interior design resources, wholesale and retail showrooms Study in museums, libraries, and interior design centers when possible. Special study projects.

550 Interior Design Topics: _____. (1-3) A. A course designed to offer specialized expertise in numerous areas related to the discipline of Interior Design. May be retaken to a maximum of six hours provided topics vary

INS—Insurance
Dr. Peter Kensicki, Coordinator
108 Miller

349 Cooperative Study in Insurance. (1-6) A. Prerequisites: GPA 2.0 and departmental approval. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required per credit hour.

370 Principles of Risk and Insurance. (3) I, II. Theory and practice of insurance and its economic and social significance; basic life, health, and property-liability insurance for businesses and families, review of the major lines of insurance.

372 Fundamentals of Property-Liability Insurance. (3) A. Prerequisites INS 370 and instructor approval. Planning and evaluating individual and business firm property-liability insurance, analysis of insurance coverage against pure risk related to property-liability insurance exposure.

374 Fundamentals of Life and Health Insurance. (3) A. Prerequisites: INS 370 or instructor approval. Analysis of life insurance and annuity products available in the individual market. Includes a discussion of systems for determining the individual's life insurance needs.

376 Employee Benefit Planning. (3) A. Employee benefit plans including taxation, costs, and choices of funding. Includes an analysis of the role of employee benefit plans in meeting the risks of death, illness, and old age

378 Business Risk Management. (3) A. Risk Management as used by the business firm; basic functions of risk management, risk management decision-making as a corporate buyer of insurance.

380 Personal Risk Management. (3) A. An intensive examination of personal loss exposures and their treatment. Emphasized is the use of risk management techniques. Topics include personal automobile, property, premature death, illness, accidental injury, superannuation, investment risks, and estate planning Social and private insurance

treatments are included as well as other risk management techniques.

382 Commercial Property Risk Management and Insurance. (3) A. Prerequisite INS 370 or instructor approval. This course is an in-depth analysis and measurement of commercial property loss exposures and the insurance coverages designed to meet those exposures Commercial property, boiler and machinery, commercial crime, inland and ocean marine, business owners, farm policies, and a variety of miscellaneous property insurance forms are discussed, along with related risk management techniques. It will prepare the student for the CPCU 3 examination administered by the American Institute for Property and Liability Underwriters leading to the professional designation, CPCU.

384 Commercial Liability Risk Management and Insurance. (3) A. Prerequisite: INS 370 or instructor approval. This course analyzes the major sources of liability loss exposures, applicable controls, and the insurance coverages designed to meet those exposures. General liability, employers liability, workers compensation, auto liability, professional liability, and a variety of miscellaneous liability coverages and loss-financing measures are discussed in addition to surety bonds A survey case includes material on commercial property risk management and insurance. It will prepare the student for the CPCU 4 examination administered by the American Institute for Property and Liability Underwriters leading to the professional designation, CPCU

400 Seminar in Insurance. (1-3) A. Prerequisite: instructor approval. Selected topics of special and contemporary interest to business students May be retaken under different subtitles to a maximum of six hours.

474 Life Insurance and Estate Planning. (3) A. Prerequisite: INS 374 or instructor approval. Role of life and health insurance in family estate planning; considerations of developing an estate plan for the individual or the family

486 Insurance Company Operations. (3) A. This course examines insurance marketing, underwriting, reinsurance, ratemaking, claims adjusting, loss control and other insurer activities. It will prepare the student for the CPCU 5 examination administered by the American Institute for Property and Liability Underwriters leading to the professional designation, CPCU

488 Insurance Agency Operations. (3) A. This course examines the operations of a unique small business, the insurance agency It will apply material used in other courses such as management, marketing, accounting, finance, and insurance These business administration principles will be distilled into components that may be applied to the operation of an insurance agency This course will prepare the student for one part of the Accredited Adviser in Insurance (AAI) specialty designation awarded by the Insurance Institute of America

490 Special Problems in Insurance. (1-3) A. Prerequisite: advisor/departmental approval. May be retaken under different sub- topics to a maximum of six hours. Independent work, special workshops, special topics, or seminars. Student must have the independent study course proposal form approved by faculty supervisor and department chair prior to enrollment.

ITA—Italian
Dr. Anne Brooks, Chair
368 Case Annex

101 Conversational Italian I. (3) A. Basic Italian pronunciation, conversation, and grammar taught in a cultural context. Laboratory work required Gen. Ed. 03 or 04

102 Conversational Italian II. (3) A. Prerequisite: ITA 101 or equivalent. Laboratory work required. Continuation of ITA 101. Gen. Ed. 03 or 04.

495 Independent Work in Italian. (1-3) A. Prerequisite: departmental approval. May be retaken to a maximum of six hours provided the subject matter is different. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

ITP–Interpreter Training Program
Dr. Laurence Hayes, Coordinator
Wallace 215

215 Voice to Sign: Theory. (3) A. Formerly SED 125. Terminology, procedures, and ethical/professional considerations relevant to manual interpreting. Code of Ethics, structuring of interpreting environment, language systems, communication modes, education and evaluation of interpreters, human relation skills, historic developments, current trends.

220 Preprocessing Interpreting Skills. (3) II. Prerequisites: ASL 101, 102, 201. Practice of cognitive skills used in the process of interpreting Skills include visualization, prediction, listening, memory, abstracting, clozure, dual tasking, and lag time. Clinical hours required

310 Interpreting As Private Practice. (1) I. Prerequisites: ITP 215, 220 or instructor's permission. Interpreter job market, working conditions and pay scales. Business practices, resources, independent contracting and freelance interpreting Working as private vendor or contractor in the profession of interpreting

315 Fingerspelling. (3) I, II. Formerly SED 120 This course is designed to supplement American Sign Language SED 101 and SED 102. The course will focus on aspects of receptive and expressive fingerspelling and numbers in ASL.

320 Voice to Sign: Interpreting. (3) A. Formerly SED 225. Prerequisites: ITP 215, 220 and ASL 301. Introduction to expressive interpreting across educational and community settings. Emphasis on professional ethics in different settings Clinical hours required.

370 Settings and Interpreting Specialties. (3) II. Prerequisite: ITP 215 or instructor permission. Large audience and team interpreting situations Observation and modeling of interpreting services for oral deaf consumers and educational interpreters Clinical hours required

390 Linguistics and ASL I. (3) II. Prerequisites ASL 101, 102, 201, 202 or instructor's permission. Overview of linguistics, phonology, morphology and language change in a variety of languages and American Sign Language Analysis of ASL and spoken languages Clinical hours required.

420 Voice to Sign: Transliterating. (3) I. Formerly SED 265. Prerequisites: ASL 302, ITP 230 and 320. Overview of interpreting and transliterating and English sign systems utilized in the educational setting Analysis of the influence of English in ASL and integration of English sign systems in educational and community interpreting and transliterating Clinical hours required

425 Sign-to-Voice: Interpreting. (3) I, II. Prerequisite: ITP 230, ASL 301 or instructor approval. Training and practice in sign-to-voice interpreting in educational and community settings. Register and text analysis of ASL including sequencing, paraphrasing, and vocal production Clinical hours required.

430 Simulation of Interpreting Specializations. (3) I. Prerequisite: ITP 370 or instructor's permission. Modeling, observation and simulated interpreting in vocational rehabilitation, deaf-blind, theatrical, legal, medical and mental health settings. Clinical hours required.

470 Pre-practicum in Interpreting. (3) I. Prerequisite: ITP 370 or instructor's permission. Field experience; observation and interpreting practice under supervision of interpreter mentor. Interaction in various Deaf community settings. Field experience required.

480 Practicum in Interpreting. (3-12) I, II. Formerly SED 299. Prerequisite: Departmental approval. A supervised field experience at the undergraduate level. Interpreting and related activities under the supervision of professionals in schools or other appropriate community settings serving hard of hearing or deaf individuals.

490 Linguistics and ASL II. (3) I. Prerequisite: ITP 390 or instructor's permission. Overview of syntax, discourse, and sociolinguistics. Analysis of American Sign Language and spoken languages. Clinical hours required.

JOU—Journalism
Dr. Ron Wolfe, Chair
109 Alumni Coliseum

302 Newspaper Practicum. (1-3) I, II. Prerequisite. COM 201. Supervised practical newspaper experience in a journalistic operation. May be taken to a maximum of three hours.

305 Feature Writing. (3) A. Prerequisites: ENG 101 and 102 (or 105). Writing and submitting articles for publication in newspapers and magazines. Involves studying requirements of periodicals to which sale is attempted and free-lancing methods in general.

307 Editorial and Opinion Writing. (3) A. Prerequisite: COM 201. Study of editorials, editorial columns, commentary pieces, reviews and criticism. Examines editorial boards, generating ideas for columns, and writing book, theatre and film criticism. Provides practice in writing opinion pieces for publication.

310 News Editing. (3) I, II. Prerequisite: COM 201. Understanding the editing process in newspapers and magazines Examines content and style editing, headline writing and publication design. Explores new technology as an editing tool. Provides both theory and practice in editing.

325 Photojournalism. (3) I, II. Reporting the news as a photojournalist. Stresses recognition, development and creation of news photographs and the skills of the photo editor. Provides experience in shooting, developing, printing, and editing. Uses both conventional methods and emerging digital technology.

349 Cooperative Study: Journalism. (1-8) A. Prerequisites: junior standing, "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours of academic credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate A minimum of 80 hours work required for each hour of academic credit. May not satisfy major or minor requirements within the department

401 Public Affairs Reporting. (3) A. Prerequisite: COM 201 and 301. Writing and reporting about national, state, and local government and specialized fields of labor, science, research and business Includes writing and reporting for wire services and daily newspapers.

410 Advanced Photojournalism. (3) A. Prerequisite: JOU 325. Study of newspaper and magazine photojournalism with emphasis on the photographic essay, the role of the photojournalist and the photo editor, and emerging digital technologies. Provides experience in black and white and color photography.

415 Advanced Editing. (3) A. Prerequisite: JOU 310. Intensive study of newspaper design. Emphasizes practice in electronic editing, headline writing, and layout.

425 Community Journalism. (3) A. Prerequisites: COM 201 and 301. Writing and reporting for community newspapers. Includes investigating local government and local sources of information and studying the role and performance of the community newspaper.

450 Newspaper and Magazine Management. (3) A. Prerequisites: COM 201 and JOU 310. Problems of organization, finance, production, and distribution of daily and weekly newspapers and magazines. Examines factors involved in publishing, staffing, equipment evaluation and purchase, and policy formulation.

480 Writing and Selling Nonfiction. (3) A. Prerequisite: ENG 101 and 102 or 105 (or HON 105). How to write and sell nonfiction articles for magazines. Credit will not be awarded to students who have credit for ENG 500/700 taught as "Writing for the Popular Media."

JPN-Japanese
Dr. Anne Brooks, Chair
368 Case Annex

101 Conversational Japanese I. (3) I, II. An introduction to the grammar and structure of Japanese taught in cultural context. Practice in pronunciation, reading, and writing systems with an emphasis on conversation. Gen Ed. 03 or 04.

102 Conversational Japanese II. (3) A. Prerequisite: JPN 101 or equivalent proficiency. Continuation of JPN 101. Emphasis on conversation. Laboratory work required. Gen. Ed. 03 or 04.

201 Intermediate Japanese I. (3) A. Prerequisite: JPN 102 or equivalent proficiency. Continuation of JPN 102. Practice in writing kanji, reading, and speaking on cultural topics for diverse social settings requiring increasingly complex structural patterns. Gen. Ed. 03, 04, 07, or 08.

202 Intermediate Japanese II. (3) A. Prerequisite: JPN 201 or equivalent proficiency. Continuation of JPN 201 to strengthen student's ability to interact in more diverse social settings requiring increasingly complex structural patterns. Gen. Ed. 03, 04, 07, or 08.

295 Independent Work in Japanese. (1-3) A. Prerequisite: departmental approval. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

495 Independent Work in Japanese. (1-3) A. Prerequisite: departmental approval. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

LAS—Paralegal
Dr. James McCord, Director
121 McCreary

101 Your Legal Rights, Remedies, and Responsibilities. (3) A. Practical law to assist the individual in anticipating and dealing with typical legal needs. Topics will include landlord-tenant problems, consumer rights, personal liability, wills, arrest, divorce, and others. Does not count toward the paralegal major requirements.

210 Introduction to Law. (3) I, II. General study of the purpose, function, and history of law; law-related occupations; court systems; case law analysis; professional ethics; the adversary system; and the major areas of law.

220 Legal Research and Writing I. (3) I, II. Formerly LAS 211. Prerequisite: LAS 210 or director approval. The sources and techniques of legal research; their application to specific legal problems and the use of legal authority to construct a written legal argument.

300 Legal Research and Writing II. (3) I, II. Prerequisite: LAS 220. The sources and techniques of advanced legal research and writing, the use of computer-assisted legal research methods and their application.

305 Special Topics in the Law. (1-3) A. Prerequisite: director approval. A course offered periodically covering topics and issues of current or special interest concerning the law. May be retaken to a maximum of six hours provided topics vary.

320 Civil Law and Liability. (3) I, II. Formerly LAS 302. Prerequisite: LAS 210 or director approval. Study of legal principles and paralegal practice in torts, contracts, Uniform Commercial Code, collections, employee benefits and insurance.

325 Real Estate/Bankruptcy Practice. (3) I, II. Formerly LAS 301. Prerequisite: LAS 220. Paralegal practice and procedure for general law office; real estate transactions and documents, title searches, title insurance, loan closings, leases, wills, affidavits of descent, foreclosures, and bankruptcy.

330 Family Law Practice. (3) A. Formerly LAS 310. Prerequisite: LAS 220. Paralegal practice in family law including forms, documents, and procedures for: marriage, divorce, separation, annulment, alimony, legitimacy of children, custody, adoption, community property, and juvenile law.

340 Criminal Law Practice and Procedure. (3) A. Prerequisite: LAS 220 or director approval. An introduction to criminal law and procedure, criminal law forms and documents, and preparation for criminal litigation using the systems approach.

350 Litigation Practice and Procedure. (3) A. Prerequisite: LAS 220 and 320 or director approval. Paralegal trial preparation including investigation techniques, discovery, disclosure, exhibit preparation, witness preparation, pretrial motions, evidence, jury instructions, trial assistance, and appeals, emphasizing the systems approach.

360 Probate Practice and Procedure. (3) I, II. Formerly LAS 390. Prerequisite: LAS 220 or director approval. Paralegal probate practice including initial steps, asset accumulation, debt management, court procedure, estate-related tax issues and forms. A systems approach will be emphasized.

365 Trial and Era: A Legal Heritage. (3) A. A study of famous and significant court trials and the dynamic and dramatic way in which the trial brings together the legal philosophies and social attitudes of the times. Does not count toward the paralegal major requirements.

370 Corporations and Business Organization Practice. (3) A. Prerequisite: LAS 220. Documents, forms, and procedures essential to the corporate paralegal. Development of skills concerning business formations, incorporation, corporate finance, employees, corporate operation, securities, regulatory compliance, merger, acquisitions, sales and terminations.

380 Administrative Agency Practice. (3) A. Prerequisite: LAS 220. Practical paralegal skill development in administrative law and procedure. Forms, documents, pleadings, and techniques for administrative regulatory compliance, case processing, informal and formal administrative advocacy, emphasizing the systems approach.

385 Legal Administration and Computer Applications. (3) I, II. Prerequisite: LAS 220 and CIS 230 or equivalent. The study of law office administration and the utilization of specific law office computer applications.

399 Paralegal Internship. (4) I, II. Prerequisites: completion of 18 hours of major (LAS) courses including LAS 300 or director approval (prior written application is required).

410 Paralegal Seminar. (3) A. Formerly LAS 401. Prerequisite: Completion of 18 hours of major (LAS) courses or director approval. Professional ethics, analysis of the internship experience, transition to the law office and current issues facing the paralegal profession.

460 Estate Planning and Procedure. (3) A. Formerly LAS 392. Prerequisite: LAS 360 or director approval. The study of law, forms, documents, and procedures essential to the paralegal involved in the drafting of wills, trusts, and estate plans. The systems approach will be emphasized.

490 Independent Study of Law. (1-3) A. Prerequisite: director approval. Individual research, skill development, and study in an area of law or paralegal practice. Student must have independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours.

535 Municipal Law. (3) A. Prerequisite: LAS 220 or director approval. Practical legal problems confronting municipal officials including government and public official liability, ordinances, tax levies, bonding, zoning, soliciting, licensing, open meetings, personnel, cutback management, elections, and other issues.

LAT—Latin
Dr. Anne Brooks, Chair
368 Case Annex

101 Beginning Latin I. (3) A. Study of basic inflections, syntax, pronunciation, and vocabulary necessary for the reading and progressive understanding of the Latin language. Particular attention is given to cultural topics and to the relationship of Latin to English. Gen. Ed. 03 or 04.

102 Beginning Latin II. (3) A. Prerequisite: one unit of high school Latin or LAT 101. A continuation of the study of the elements of Latin grammar with additional work in translation of selections from Latin writers of appropriate complexity. Some composition on cultural topics included. Gen. Ed. 03 or 04.

LEO—Law Enforcement Orientation
Dr. Gary Cordner, Dean
354 Stratton

100 Academic Orientation. (1) I. An orientation to university academic life and career planning and preparation. Topics include University policies and procedures, program requirements, career opportunities and introductory study skills. Open to all students during their first two semesters of enrollment at EKU, beyond that open to students with fewer than 30 semester hours earned.

LIB—Library Science
Dr. Imogene Ramsey, Chair
112 Combs

107 Topics in Library Science: _____. (1-3) A. Prerequisite: Departmental approval. A course addressing topics
of special concern for librarians. May be retaken to a maximum of 9 hours. Not applicable to school libranan certification programs.

301 Children's Literature and Related Materials. (3) I, II. Prerequisites: ENG 101 and 102 (or 105). Survey course designed to acquaint P-5 teachers with print and non-print media for the school curriculum and with techniques to encourage lifelong readers.

501 Literature and Related Materials for Transcents. (3) A. A course designed to help teachers and librarians extend their knowledge of authors, literature, and related matenals for students 10-14 years of age. Literary criticism and relating literature to the interests and needs of students are emphasized.

569 Instructional Media and Technology. (3) I, II. A course designed to instruct students in the philosophy and techniques of the effective utilization of instructional media and technology

MAR—Marine Sciences
Dr. William Martin, Coordinator
105 Case Annex

(These courses are taught in summer semesters at Gulf Coast Research Laboratory, Ocean Springs, MS.)

300 Marine Science I: Oceanography. (3) A. Prerequisites: college algebra, eight hours of chemistry and eight hours biological sciences. Corequisite: MAR 300L. For upper division science majors. An introduction to biological, chemical, geological, and physical marine sciences.

300L Marine Science I: Oceanography Laboratory. (2) A. Corequisite: MAR 300.

301 Marine Science II: Marine Biology. (3) A. Prerequisite: eight hours of biology. Corequisite: MAR 301L. A general introduction to marine biology with emphasis on local fauna and flora

301L Marine Science II: Marine Biology Laboratory. (2) A. Corequisite: MAR 301.

503 Marine Invertebrate Zoology. (3) A. Prerequisite: sixteen hours of biology. Corequisite: MAR 503L. Morphology, distribution, and ecology of the phyla Protozoa through Protochordates.

503L Marine Invertebrate Zoology Laboratory. (3) A. Corequisite: MAR 503.

504 Parasites of Marine Animals. (3) A. Prerequisite: instructor approval. Corequisite: MAR 504L. Emphasis on morphology, taxonomy, life histories, and host-parasite relationships.

504L Parasites of Marine Animals Laboratory. (3) A. Corequisite: MAR 504.

505 Marine Ecology. (3) A. Prerequisite: sixteen hours of biological sciences. Corequisite: MAR 505L. The relationship of marine organisms to their environment

505L Marine Ecology Laboratory. (2) A. Corequisite: MAR 505

506 Fauna and Faunistic Ecology of Tidal Marshes, Seagrasses, and Sand Beaches. (2) A. Prerequisite: instructor approval. Corequisite: MAR 506L. Taxonomy, distribution, tropic relationships, reproductive strategies and adaptation of tidal marsh animals.

506L Fauna and Faunistic Ecology of Tidal Marshes, Seagrasses, and Sand Beaches Laboratory. (3) A. Formerly MAR 406L Corequisite: MAR 506.

507 Marine Aquaculture. (3) A. Corequisite: MAR 507L. Problems and procedures relating to the culture of commercially important crustaceans, fish, and mollusks.

507L Marine Aquaculture Laboratory. (3) A. Corequisite: MAR 507.

508 Marine Ichthyology. (3). A. Prerequisite: sixteen hours of biology. Corequisite: MAR 508L. Marine fishes including evolutionary relationships, morphology, physiology, and zoogeography.

508L Marine Ichthyology Laboratory. (3). A. Corequisite: MAR 508.

509 Marine Microbiology. (3) A. Prerequisite: general microbiology Corequisite: MAR 509L An introduction to the role of microorganisms in overall ecology of the oceans and estuaries.

509L Marine Microbiology Laboratory. (2) A. Corequisite: MAR 509.

510 Marine Fisheries Management. (2) A. Prerequisite: instructor approval. Corequisite: MAR 510L. An overview of practical marine fishery management problems.

510L Marine Fisheries Management Laboratory. (2) A. Corequisite: MAR 510.

520 Marine Phycology. (2) A. Prerequisite: ten hours of biology including botany. Corequisite: MAR 520L. A survey, based upon local examples, of the principal groups of marine algae.

520L Marine Phycology Laboratory. (2) A. Corequisite: MAR 520.

521 Coastal Vegetation. (3) A. Prerequisite: ten hours of biology, including general botany Corequisite: MAR 521L. A study of general and specific aspects of coastal vegetation, with emphasis on local examples.

521L Coastal Vegetation Laboratory. (2) A. Corequisite: MAR 521.

522 Salt Marsh Plant Ecology. (2) A. Corequisite: MAR 522L. The botanical aspects of local marshes; includes plant identification, composition, and structure.

522L Salt Marsh Plant Ecology Laboratory. (2) A. Corequisite: MAR 522.

530 Comparative Histology of Marine Organisms. (3) A. Prerequisite: instructor approval. Corequisite: MAR 530L. Histology of marine organisms, including tissue processing techniques

530L Comparative Histology of Marine Organisms Laboratory. (3) A. Corequisite: MAR 530.

541 Marine Chemistry. (3) A. Prerequisite instructor approval. Corequisite. MAR 541L. Sea water chemistry and cycles and their impact on the marine environment

541L Marine Chemistry Laboratory. (1) A. Corequisite: MAR 541.

543 Environmental Estuarine Chemistry. (3) I. Prerequisites: Sixteen semester hours of chemistry; three to six hours of general biology and geology or consent of the instructor; Corequisite: MAR 543L/743L. The study of sources, reactions, transport, effects and fate of chemicals occurring in aquatic environments.

543L Environmental Estuarine Chemistry Laboratory. (1) A. Corequisite: MAR 543

557 Marine Science for Teachers. (3) A. Prerequisite: instructor approval. Emphasis will be placed on measurements and analysis of the marine habitat and ecological relationships.

558 Marine Science: Elementary Teachers. (3) A. Prerequisite: instructor approval. Corequisite: MAR 558L. Designed to acquaint teachers with marine science concepts.

558L Marine Science: Elementary Teachers Laboratory. (0) A. Corequisite: : MAR 558

559 Coastal Ecology For Teachers. (3) A. Prerequisite: instructor approval. Corequisite: MAR 559L. Designed to provide teachers with a background in basic coastal ecology.

559L Coastal Ecology For Teachers Laboratory. (1) A. Prerequisite: instructor approval. Corequisite: MAR 559.

582 Coastal Marine Geology. (2) A. Prerequisite: six hours in geology. Inshore and nearshore geological processes, sedimentation patterns, and land forms.

582L Coastal Marine Geology Laboratory. (1) A. Corequisite: MAR 582.

590 Special Problems in Marine Science. (1-6) A. Prerequisite: instructor approval. Independent research.

591 Special Topics in Marine Science. (1-6) A. Prerequisite: instructor approval. Directed study in area for which no formal courses are offered.

MAS—Medical Assisting Technology
Dr. David Hufford, Chair
220 Dizney

100 Introduction to Medical Assisting. (3) I, II. Medical assisting administrative and clinical responsibilities, human relations, communication skills, professional ethics, and law in health care.

221 Medical Assisting Laboratory Procedures I. (3) I, II, A. Formerly MAS 111. Prerequisite: minimum GPA of 2.0. Prerequisite: MAS 100. Corequisite: MAS 112. Clinical procedures emphasizing quality control, specimen collection, urinalysis, and hematology. 2 Lec/2 Lab.

222 Medical Assisting Techniques I. (3) I, II, A. Formerly MAS 112. Prerequisite: minimum GPA of 2.0. Prerequisite: MAS 100. Corequisite: MAS 111. Introduction to clinical skills performed in medical offices with emphasis on asepsis, health history, physical examinations and assessment, vital signs, infection control, catheterization, and related pathological and physiological conditions.

250 Medical Office Claims Procedures. (3) I, II, A. Prerequisite: AHN 200, or Instructor Approval. The student will explore proper use of CPT, HCPCS, and ICD-9-CM coding systems as they apply to physician claim submission and accurate reimbursement from third-party payers.

260 Medical Office Administration. (5) I, II, A. Prerequisite: AHN 200, MAS 100, Prerequisite or Corequisite: ACS 250 Knowledge and skills in medical office management which include financial management, computer skills, patient records, human resource management, legal and ethical issues, and total quality management.

290 Medical Office Externship. (4) II, A. Prerequisites: MAS 100, 221, 222, 250, 260, 320, 321, 322. Supervised practice in physicians' offices, clinics, and health agencies. 2 Lec/16 Lab

300 Maternal-Child Health Care. (3). A. An in-depth survey of pediatric and maternal issues, such as fetal and childhood growth and development, acute and chronic diseases, preventative care, treatments and procedures, pregnancy, labor and delivery, and gynecologic disorders.

310 Health Promotion Concepts for the Medical Assistant. (1) II, A. Health promotion theories, intervention strategies, and the medical assistant's role in health promotion and patient education.

320 Medical Office Pharmacology. (3) I, A. Prerequisite or Corequisite: MAS 221 or 321 or instructor approval. Drug administration and pharmacology for the medical assistant. Content includes drug calculation, medication administration, legal principles, and specific drug classifications.

321 Medical Assisting Laboratory Procedures II. (5) I, II, A. Formerly MAS 220. Prerequisite: MAS 221. Corequisite: MAS 322. Level II clinical skills in urinalysis, hematology, diagnostic and screening tests, clinical chemistry, microbiology, and limited physiotherapy. Selected off-campus experience required. 2 Lec/8 Lab.

322 Medical Assisting Techniques II. (5) I, II, A. Formerly MAS 221. Prerequisite: MAS 222. Corequisite: MAS 321. Level II therapeutic skills including physical assessment, medical history, and surgical procedures. Common diseases and conditions and related diagnostic procedures and treatments. Selected clinical experiences required. 2 Lec/8 Lab.

350 Advanced Medical Transcription. (4) I, II, A. Prerequisite: AHN 200, ACS 200 or ACS 250. Independent study in medical transcription will provide the student with the opportunity to practice medical transcription for different medical specialities. Students will meet with the instructor periodically throughout the course for assessment of skills, and have the opportunity to schedule visits to various health care facilities and work with experienced medical transcriptionists.

MAT—Mathematics
Dr. Jaleh Rezaie, Acting Chair
312 Wallace

090 Prealgebra. (3) Institutional Credit. I, II. Real number system, ratio and proportion, order of operations, measurement, exponents and radicals, probability and statistics, graphs, a strong strand of geometry, and basic algebraic concepts such as solving linear equations and understanding variables and algebraic expressions. May be taken by referral only. 3 Lec/2 Lab-Rec.

095 Developmental Algebra I. (3) Institutional Credit. I, II. Prerequisites: MAT 090 with a course grade of at least "C-" or equivalent. Real number system, algebraic expressions, integer exponents, linear and quadratic equations, inequalities, polynomials, graphing linear and quadratic functions, factoring, systems of equations, radical expressions and basic descriptive geometry. May be taken by referral only. 3 Lec/2 Lab-Rec.

100 Graphing Calculator I. (1) I, II. Use of a graphing calculator to evaluate arithmetic expressions; graph and solve linear, quadratic, polynomial, rational, exponential and logarithmic equations; solve and graph systems of linear and nonlinear equations.

101 Graphing Calculator II. (1) II. Prerequisite: MAT 100 or departmental approval. Use of graphing calculator to graph and solve trigonometric equations; solve problems involving calculus, statistics, matrices; and vectors; illustrate other features of the graphing calculator, such as the conversion and the draw feature.

103 Algebra II. (3) I, II. Prerequisite: MAT 095 or equivalent with a grade of at least a "C-". Real number system, number theory, algebraic expressions and sentences, linear and quadratic equations, inequality, operations with polynomials, relations and functions, graphing linear, quadratic, and exponential functions, factoring polynomials, systems of equations, radical expressions. May be taken by referral only. Credit for MAT 103 is not applicable toward a baccalaureate degree. 3 Lec/1 Lab.

105 Mathematics with Applications. (3) I, II. Prerequisite: Completion of all University developmental requirements. This course is designed to strengthen computational skills, mathematical reasoning, problems-solving skills, and mathematical reading/communication skills while focusing on real-world problems. The mathematical topics may include the mathematics of finance, statistics, geometry, combinatorics, mathematical modeling, and algorithms. Use of calculators. Gen. Ed. 03 or 04

106 Applied Finite Mathematics. (3) I, II. Prerequisite: Completion of all University developmental requirements. The introduction to the application of mathematics to real-world problems. Topics are from various branches of discrete mathematics such as graph theory and game theory. Probability, geometry, and problems from the social sciences. 3 Lec (1 Lab when taught in large lecture sections.) Gen. Ed. 03 or 04

107 College Algebra. (3) I, II. Prerequisite grade of at least "C-" in MAT 095 or equivalent. Real and complex numbers, integer and rational exponents, polynomial and rational equations and inequalities, graphs of functions and relations, exponential and logarithmic functions, systems of equations, matrices. Use of graphing calculators. 3 Lec (1 Lab when taught in large lecture sections.) Gen. Ed. 03 or 04

108 Trigonometry. (3) I, II. Prerequisite: a grade of at least "C-" in MAT 107 or equivalent. Radians and degrees, properties of trigonometric functions, multiple angle expressions, triangle solutions, inverse functions, complex numbers. Use of graphing calculators. Credit will not be awarded to students who have credit for MAT 109.

109 Precalculus Mathematics. (5) I, II. Prerequisite: grade of at least "C-" in MAT 107 or equivalent. Polynomial, rational, exponential, logarithmic, and trigonometric functions and inverses. Sequences and series, systems of linear and nonlinear equations and inequalities, the complex number system, vectors, the binomial theorem, mathematical induction, and conic sections. Use of graphing calculators. Three hours of credit will not be awarded to students who have completed MAT 108. Three hours of credit count toward Gen. Ed. 03 or 04.

115 Introduction to *Mathematica*. (1) I, II. Prerequisite or Corequisite: MAT 108. Use of *Mathematica*. Numeric, algebraic, and symbolic capabilities, two dimensional and three dimensional graphics with animation, decisions, looping, and list manipulation.

117 MathExcel Lab for Calculus I (2) I, II. Corequisite: Admission to MathExcel Program and enrollment in Calculus I. This lab is to accompany a regular lecture class in Calculus I. 4 Lab.

124 Calculus I. (4) I, II. Prerequisite: MAT 109 with minimum grade of "C-" and satisfactory score on placement test. Functions, limits and continuity, derivatives and applications, integration, and introduction to and use of the computer package *Mathematica*. Credit will not be awarded to students who have credit for MAT 121 or MAT 121H. Gen. Ed. 03 or 04

124H Honors Calculus I. (4) A. Prerequisites: score of 27 on the ACT mathematics test and the equivalent of MAT 109; or departmental approval. Functions, limits and continuity, derivatives and applications, integration, and introduction to and use of the computer package *Mathematica*. The material is treated in greater depth and with more rigor than in MAT 124. Challenging problems and special projects will be assigned. Credit will not be awarded to students who have credit for MAT 121 or MAT 121H or MAT 124. Gen. Ed. 03 or 04

201 Mathematical Concepts for Middle and Elementary School Teachers I. (3) I, II. Prerequisites: MAT 105 or higher with a minimum grade of "C-" and a passing score on a Mastery Exam. Concepts stressed over manipulation. Sets and functions, whole numbers, integers, rational numbers, decimals and real numbers, numeration, and elementary number theory.

202 Mathematical Concepts for Middle and Elementary School Teachers II. (3) I, II. Prerequisites: MAT 201 with a minimum grade of "C-" and an acceptable score on a geometry placement test. Concepts stressed over manipulation. Geometry, measurement, metric system, probability and basic statistics.

203 Geometry for Middle and Elementary School Teachers. (3) I, II. Prerequisites: admission to a certification program in elementary or middle school and MAT 201 and 202 with a combined grade point of 2.5 in the two courses. Angles and their measurement, right triangle trigonometry, perpendicular lines, congruent triangles, circles, arcs, and angles, constructions and loci, area and volume, similarity, graphing, selected topics from analytic geometry.

211 Calculus with Applications for Business and Economics. (3) A. Prerequisite: grade of at least "C-" in MAT 107 or equivalent. Functions and graphs, differentiation, marginal costs, revenue and profit, integration, exponential and logarithmic functions, other applications. Credit will not be awarded to students who have credit for MAT 124 or MAT 124H or MAT 261. Gen. Ed. 03 or 04.

214 Linear Algebra and Matrices. (3) I, II. Prerequisite: MAT 124 or MAT 124H. Real and complex vector spaces, linear transformations, matrix theory, with applications, through the introduction of eigenvalues and eigenvectors, determinants, inner product spaces, the use of the computer package *Mathematica*.

218 MathExcel Lab for Calculus II. (2) I, II. Formerly MAT 118. Corequisite: Admission to MathExcel Program and enrollment in Calculus II. This lab is to accompany a regular lecture class in Calculus II. 4 Lab.

219 MathExcel Lab for Calculus III. (2) I, II. Corequisite: Admission to MathExcel Program and enrollment in Calculus III. This lab is to accompany a regular lecture class in Calculus III. No more than four credit hours of MAT 117, MAT 218 and MAT 219 will count toward the baccalaureate degree. 4 Lab.

224 Calculus II. (4) I, II. Prerequisite: MAT 124 or 124H with minimum grade of "C-." Fundamental integration techniques, numerical integration, applications of integration, improper integrals, differential equations, infinite series, polar and parametric equations, and use of *Mathematica*. Credit will not be awarded to students who have credit for MAT 122 or 122H, or MAT 223 or 223H. Gen. Ed. 03 or 04.

224H Honors Calculus II. (4) A. Prerequisite: MAT 124H with a minimum grade of "C-" or departmental approval. Fundamental integration techniques, numerical integration, applications of integration, improper integrals, differential equations, infinite series, polar and parametric equations, and use of *Mathematica*. The material is treated in greater depth and with more rigor than in MAT 224. Challenging problems and special projects will be assigned. Credit will not be awarded to students who have credit for MAT 122, MAT 122H, or MAT 224. Gen. Ed. 03 or 04.

225 Calculus III. (4) I, II. Prerequisite: MAT 224 or 224H with a minimum grade of "C-." Functions of several variables, limits and continuity, partial derivatives, multiple integrals, vector calculus including Green's, Divergence, and Stoke's theorems, cylindrical and spherical coordinates and use of *Mathematica*. Credit will not be awarded to students who have credit for MAT 225H.

225H Honors Calculus III. (4) II. Prerequisite: MAT 224H with minimum grade of "C-". Functions of several variables, limits and continuity, partial derivatives, multiple integrals, vector calculus including Green's, Divergence, and Stoke's theorems, cylindrical and spherical coordinates, and use of *Mathematica*. The material is treated in greater depth and with more rigor than in MAT 225. Challenging problems and special projects will be assigned. Credit will not be awarded to students who have credit for MAT 225.

261 Calculus with Applications for Science I. (3) A. Prerequisite: grade of at least "C-" in MAT 107 or equivalent. Introduction to calculus with applications in the sciences. Functions and graphs, differentiation, integration, and exponential and logarithmic functions. Credit will not be awarded to students who have credit for MAT 121 or MAT 124 or MAT 124H or MAT 211. Gen. Ed. 03 or 04.

262 Calculus with Applications for Science II. (3) A. Prerequisite: MAT 261 or 211. Integral calculus with applications, introduction to differential equations, functions of several variables. Credit will not be awarded to students who have credit for MAT 122 or MAT 224 or MAT 224H.

280 Actuarial Mathematics. (1) A. Prerequisite: MAT 214 and MAT 225 or MAT 225H. Applications-oriented examination of several topics from analytic geometry, calculus, and linear algebra.

285 Discrete Mathematics. (3) I, II. Prerequisites: MAT 214, MAT 224, STA 270 and at least 2.50 GPA in all mathematics courses. Counting principles, permutations, combinations, recurrence relations, graphs, representations of graphs as matrices, trees, networks, difference equations, and linear programming.

301 Transition to Advanced Mathematics. (3) A. Prerequisites: MAT 214, 224 or 224H and a grade point average of at least 2.5 in MAT 124, 214 and 224. Logic, proof techniques, set theory,

relations, functions, cardinality, introduction to advanced mathematics.

303 Mathematical Models and Applications. (3) A. Prerequisites: MAT 106, 203, and STA 270. Applications of mathematics to problems in the life, behavioral and managerial sciences. Credit does not count toward B.S. in mathematics nor mathematics teaching degrees nor the mathematics minor.

308 Modern Algebra I. (3) I, II. Prerequisite: MAT 301 with a minimum grade of "C-." Groups, cyclic and permutation groups, homomorphisms, subgroups and factor groups, Fundamental Theorem of Finite Abelian Groups, rings, fields, integral domains, and ideals.

315 Introduction to Analysis. (3) I, II. Formerly MAT 414. Prerequisite: MAT 301, 225 or MAT 225H with a minimum grade of "C-." Real number system, sets and functions, limits, continuity, uniform continuity, Taylor's theorem, laws of the mean, the Riemann integral, allied topics.

334 Modern College Geometry I. (3) A. Prerequisite: MAT 301 with a minimum grade of "C-." Euclid's parallel postulate, axiom systems, finite geometries.

349 Cooperative Study: Mathematics. (1-8) I, II; (1-6) SUMMER ONLY. Prerequisite: departmental approval. Work in placements related to academic studies. Credit does not apply to major or minor requirements. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours of employment are required for each semester hour of academic credit.

353 Differential Equations. (3) A. Prerequisite: MAT 224 or 224H. Differential equations of first order, applications, singular solutions, linear equations with constant coefficients, miscellaneous methods for equations of higher order, solution in series, total differential equations, qualitative methods, systems of linear differential equations, the computer algebra systems.

380 Mathematics in a Historical Setting. (3) A. Prerequisite: MAT 301 or instructor approval. The history of mathematics from ancient beginnings until modern times is studied through problems and through the lives and times of mathematicians.

408 Modern Algebra II. (3) A. Formerly MAT 311. Prerequisite: MAT 308 with a minimum grade of "C-." Ring homomorphisms, polynomial rings, unique factorization domains, principal ideal domains, finite fields, field extensions, algebraic extensions, Galois theory, and geometric construction.

415 Analysis. (3) A. Prerequisite: MAT 315 with a minimum grade of "C-." The Riemann integral, the Lebesgue integral, metric spaces, differentiation, sequences and series of functions, allied topics.

475 Math Teaching Senior Seminar. (3) I. Prerequisites: At least 2.50 GPA in major and supporting course requirements for MAT Teaching major and admission to Teacher Education Program. Emphasis on the interrelationship between mathematical topics. Problem solving with technology. Oral presentation on a topic selected jointly with the instructor.

480 Seminar in _____. (1-3) A. Prerequisite: departmental approval. Advanced topics in undergraduate mathematics. May be retaken to a maximum of nine hours, provided the topics are different.

495 Independent Work. (1-3) A. Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with instructor. Final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to maximum of six hours.

501 Applications of Mathematics for P-9 Teachers. (3) A. Prerequisite: MAT 303. Topics in the application of mathematical models appropriate for teachers of grades P-9. Credit does not apply toward B.S. nor B.S. (teaching) degree requirements for programs offered within this department.

502 Geometry with Technology for P-9 Teachers. (3) A. Prerequisites: MAT 203 and CSC 175. Topics in geometry appropriate for teachers of grades K-8. Credit does not apply toward neither B.S. or B.S. (teaching) degree requirements for programs offered within this department.

505 Foundations of Mathematics. (3) A. Prerequisite: MAT 308. The nature of mathematical thought; logical systems; axiomatic concepts and methods; consideration of the work of Hilbert, Peano, Whitehead, Russell, and others.

506 Number Theory. (3) A. Prerequisite: MAT 301 with a grade of at least "C-." Fundamental properties of integers, linear Diophantine equations, linear and quadratic congruences, famous problems of number theory.

507 Seminar in Mathematics: _____. (1-3) A. Prerequisite: departmental approval. Topics vary with offering. May be retaken with advisor approval, provided the topics are different. Credit towards degree requirements will depend on course content.

525 Vector Analysis with Applications. (3) A. Prerequisite: MAT 225 with a minimum grade of "C-". Algebra and geometry of vectors; Vector functions of a single variable; Line, surface, and volume integrals; Divergence Theorem, Stokes' Theorem, Green's Theorem; generalized Orthogonal Coordinates, Fourier Series; solutions to boundary value problems.

535 Modern College Geometry II. (3) A. Prerequisite: MAT 334 or equivalent. The major influence of the axioms of parallelism or geometry, development from axioms and models, Euclidean geometry, absolute geometry, hyperbolic geometry, consistency of postulates.

540 Introductory Applied Mathematics. (3) A. Prerequisite: MAT 353. Techniques and applications of: vector analysis, matrix theory, linear and autonomous systems of differential equations, special functions, operational methods, Sturm-Liouville theory, Fourier series.

550 Applications of Complex Analysis. (3) A. Prerequisite: MAT 225, 225H, or 353. Continuity, differentiation, integration, series, residues, and applications to the evaluation of real integrals. Applications of conformal mappings to boundary value problems in heat, electrostatic potential, and fluid flow. Emphasis throughout on computational techniques and applications.

555 Graph Theory. (3) A. Prerequisite: MAT 308 or CSC 320. Introduction to the theory and applications of graph theory. Topics will include trees, planarity, connectivity, flows, matching, and coloring.

560 Point Set Topology. (3) A. Prerequisite: MAT 301 with a minimum grade of "C-." An introduction to topology with emphasis on Euclidean and other metric spaces. Mappings, connectivity, compactness, formation of new spaces, relationship to analysis.

MFG—Manufacturing
Dr. William E. Davis, Chair
307 Whalin

101 Introduction to Manufacturing. (3) I, II. A study of future trends and careers in manufacturing. A survey of the manufacturing enterprise. Nature, scope, and general functional characteristics of manufacturing technology.

138 Industrial Materials. (3) I, II. Prerequisite: Grade of at least "C" in MAT 090 or equivalent. Structure, composition, properties, and common industrial applications of metals, plastics, woods, composites, ceramics, and other materials. Use of common testing machines for standard materials testing. 2 Lec/3 Lab.

142 Basic Wood Processing. (3) A. Manufacturing processes involved in the production of lumber, plywood, and other primary wood products; furniture, cabinets, millwork, and other secondary wood products. Laboratory activity includes instruction in the use of basic woodworking tools and machines, and the production of a small piece of furniture. 2 Lec/3 Lab.

143 Wood Products Industry Exploration. (1) A. Independent exploration of the wood products industry through on-site visitation, observation, and interviews. Each student will be expected to visit at least three different industries.

192 Descriptive Geometry. (3) II. Prerequisite: TEC 190. Application of the theory of orthographic projection to the graphical representation and solution of three-dimensional problems. 2 Lec/3 Lab.

195 Computer Aided Drafting. (3) I, II. Prerequisite: TEC 190. A study of the development of computer aided drafting (CAD) and CAD components, fundamentals, drawing and edit commands, input/output devices, and industry applications. The principles of orthographic projection to include auxiliary projection, sections and conventional practices, size description, and dimensions. 2 Lec/3 Lab.

201 Metallic Material Processes. (3) I, II. Prerequisite: MFG 138. Introduction to manufacturing processes involving metallic materials. Families of processes covered are casting, molding, forming, separating, conditioning, assembling, and finishing. 2 Lec/3 Lab.

202 Quality Control. (3) I, II. Prerequisite: STA 270. Basic concepts of statistical quality control as applied to manufacturing operations. Topics include control charts, acceptance sampling, product reliability, quality costs, and quality planning.

211 Graphic Arts. (3) A. An overview of the printing processes including offset lithography, gravure, relief, and screen printing. Typography, image assembly, process photography, image carriers, and image transfer will be emphasized through laboratory activities. 2 Lec/3 Lab.

217 Electronic Publishing. (3) A. Desktop publishing and additional computerized tools for composing type, line and continuous tone images into appropriately designed layouts for the graphic arts. 2 Lec/3 Lab.

242 Furniture and Cabinet Construction. (3) A. Prerequisite: MFG 142. Principles of furniture and cabinet construction, elements of structural design, advanced woodworking operations; care and sharpening of tools; related technical information; furniture and cabinet construction and finishing. 2 Lec/3 Lab.

244 Wood and Wood Products Technology. (2) A. Structure, identification, and properties of wood; wood deterioration; wood seasoning, properties and uses of selected wood products. 2 Lec/3 Lab.

301 Non-Metallic Material Processes. (3) II. Prerequisite: MFG 201. Introduction to manufacturing processes use to shape or form wood, plastic, and composite materials. Families of processes covered are casting, molding, forming, separating, conditioning, assembling, and finishing. 2 Lec/3 Lab.

308 Methods Efficiency Measurement. (3) II. An examination of the human factors in motion and time study, motion economy, analysis and charts, photographic and electronic techniques, film analysis, effort rating, work measurement, direct time study, predetermined time study, and standards for pay and production.

310 Computer Communications in Industry. (3) I. Prerequisites: ENG 102, TEC 161, and 190. A conceptional approach to computer aided communication systems typically applied in industrial environments. Emphasis will be placed on utilizing computer technology to integrate text and graphics in the preparation of documents and presentation materials.

316 Graphic Arts II. (3) A. Prerequisite: MFG 211. A background study of the photographic

processes of line, halftone and special effects negatives and positives as a basis for imagesetter output. Image assembly, plate preparation and offset presswork are studied in detail. 2 Lec/3 Lab.

317 Electronic Publishing II. (3) A. Prerequisite: MFG 217 and TEC 313. Advanced course in creating and assembling images by computer. Advanced desktop publishing will be studied along with color separation and publishing on the World Wide Web. 2 Lec/3 Lab.

318 Color Theory and Separation. (3) A. Prerequisite: MFG 316. A study of the methods of color separation and the theory of additive and subtractive color as utilized in the printing industry.

319 Printing Processes. (3) A. Prerequisite: MFG 316. An overview of imaging including relief, offset, screen, gravure, flexographic and digital printing processes. Emphasis will be given to the printed product, image carrier preparation, press systems and mechanics, inks and substrates. 2 Lec/3 Lab.

320 Manufacturing Simulation. (3) A. Prerequisites: MFG 202 and 308. A laboratory course which examines basic plant layout configurations and material flow. A critical evaluation of the application of computers to control material flow plus computer simulation to analyze various options for shop floor scheduling and tracking. 2 Lec/3 Lab.

330 Dimensional Metrology. (3) A. Prerequisite: MAT 108 and TEC 190. A study of geometric dimensioning and tolerancing as used in detail working drawings and the principles, standards, equipment, and techniques of precision electronic and mechanical measurement. 2 Lec/3 Lab.

332 Process Control. (3) A. Prerequisite: MFG 202. An in-depth study of the application of control charts to manufacturing processes. Topics include statistical process control, process capability, and continuous process improvement.

336 Reliability and Sampling. (3) A. Prerequisite: MFG 202. An overview of reliability, testing, and sampling theories. Topics include component and system reliability, product safety, sampling plans, control charts, and standards.

339 Plastic Materials and Processes. (3) A. Prerequisites: MFG 138 and 201. A survey of plastic materials, processing techniques, design considerations, and recycling trends currently used in manufacturing. 2 Lec/3 Lab.

343 Industrial Finishing. (3) A. Prerequisite: MFG 244. Materials and methods of industrial finishing; new finishing methods, including robotics applications; material handling; practice in the application of spray finishes. 2 Lec/3 Lab.

344 Furniture Production. (3) A. Prerequisites: MFG 202 and 242. Industrial machines and processes used in the manufacture of furniture, production planning, prototype construction, and production operations. The class mass-produces a piece of furniture. 2 Lec/3 Lab.

352 Automated Technology Devices. (3) A. Prerequisite: EET 252. The electronic hardware used in computer integrated manufacturing. Topics include PLCs, interfacing devices, sensors, data entry and bar coding, motors, ADCs, and DACs. 2 Lec/3 Lab.

371 Hydraulics and Pneumatics. (3) II. Principles of the operation, construction, control, and application of hydraulic and pneumatic components and circuits. The study of control applications includes manual, mechanical, fluid, electrical, and computer controlled fluid circuits. 2 Lec/3 Lab.

382 Machine Tool Processes. (3) A. Prerequisites: MFG 138 and 201. A laboratory course involving turning, drilling, sawing, milling, grinding, and precision layout and measuring. Activities include the making of tools, the setup of an automatic turret lathe, and the programming of an NC milling machine. 2 Lec/3 Lab.

383 CAD/CAM Integration. (3) A. Prerequisites: MFG 138 and 201. The use of computer application software to link data bases created with computer aided design software to computer numerical controlled machine tools. 2 Lec/3 Lab.

390 Advanced Computer Aided Design. (3) A. Prerequisite: MFG 195. A study of advanced topics in computer aided design. The content will include advanced modeling and rendering, interchange capabilities, an introduction to AutoLisp, and customization of the CAD package. 2 Lec/3 Lab.

392 Computer Aided Machine Drawing. (3) I. Prerequisites: MFG 192 and 195. Computer generated detail and assembly drawings. Topics include threads and fasteners, gearing and cams, and dimensioning and tolerancing. 2 Lec/3 Lab.

397 Advanced Machine Drawing. (3) A. Prerequisites: MFG 390 and 392. Advanced machine drawing applications to include detail and assembly drawings, threads and fasteners, gearing and cams. Emphasis on shape description. 2 Lec/3 Lab.

406 Manufacturing Planning Systems. (3) I. Prerequisites: MFG 202 and 308. A senior project course which examines consumer needs, product design, product engineering, tooling-up for production, establishing production and quality standards, planning and controlling production, and quality.

408 Human Resource Development. (3) II. Topics in human relations and production management. To be scheduled the semester before graduation.

410 Finishing and Binding. (3) A. Prerequisite: MFG 319. A study of post-press operations including finishing and binding and related processing of all printed materials.

412 Color Process Printing. (3) A. Prerequisite: MFG 318 and 319. The advanced study and practical application of reproducing process color images by offset lithography. 2 Lec/3 Lab.

414 Printing Estimating and Costs. (3) A. Prerequisites: MFG 316 and 319. Methods and procedures of predetermining costs of printed products. The determination of equipment hourly rates and depreciation, cost centers, and equipment purchase decisions will be discussed with emphasis on computer related operations.

422 Integrated Systems. (3) A. Prerequisites: MFG 220, 352, and 382. Corequisite: MFG 320. A laboratory course that utilizes computer technology to manage and control a flexible manufacturing system. Emphasis will be placed on workcell layout, robot and CNC equipment networking, application software, and the development of a flexible manufacturing system project proposal. 2 Lec/3 Lab.

444 Manufacturing Practicum. (9) A. An in-plant experience for senior students in manufacturing technology. Through specific directed activities and assignments, students apply classroom learning to real-world situations. A total of 400 clock hours of work experience required.

445 Millwork and Casework Production. (3) A. Planning, estimating, and production of architectural millwork and casework. Materials, machines, and processes used in millwork production. 2 Lec/3 Lab.

494 Machines and Mechanisms. (3) A. Prerequisites: CON 303 and MAT 261. A study of kinematics and dynamics as they relate to mechanisms and machines. Emphasis will be placed on the content of theory, analysis, design, and practice.

499 Manufacturing Senior Project. (3) A. Prerequisite: Department chair approval. A synthesis experience involving the solution of realistic manufacturing problems. Emphasis is placed on teamwork and group efforts. 2 Lec/3 Lab.

506 Total Quality Control. (3) A. Prerequisite: MFG 202. A study of total quality control as it relates to the integration of all functions and processes within an organization in order to achieve continuous improvement of the quality of goods and services.

530 Manufacturing Experiment Design. (3) A. Prerequisites: MFG 332 and 336. Principles and practices of efficient experiment design for industry. Topics include the philosophy of experiment design, comparison of various designs, hypothesis testing, and the analysis of data.

MGT—Management
TBA, Interim Chair
215 Combs

300 Principles of Management. (3) I, II. Management principles with emphasis on organization theory and behavior, human resources and diversity, communications, production/operations management and quality issues, business ethics, development of management thought, management in the global arena, and management careers.

320 Human Resource Management. (3) I, II. Prerequisite: MGT 300. Survey of principles and practices in the areas of human resource planning, job analysis, recruitment, selection, training and development, performance appraisal, compensation, labor relations, safety and health, equal employment opportunity, and personnel research.

330 Small Business Management. (3) A. Prerequisite: MGT 300. Small business organization, location, financial planning, records, unit costs, merchandising, credit, and personnel policies.

340 Management Science. (3) I, II. Prerequisites: QMB 200. Business decision making approaches and quantitative techniques with an emphasis on the formulation and application of models and the practical solution methods available.

349 Cooperative Study in Management. (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under faculty and field supervisors—training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

370 Operations Management. (3) I, II. Prerequisite: MGT 300. Practical approaches for improving productivity of operations using methods designed for quality management, sales forecasting, facility layout and location, human resource planning and scheduling, and inventory control.

400 Organization Theory. (3) I, II. Prerequisite: MGT 300. Principles of organization design as they relate to goals and strategy formulation, environmental conditions, technology, job design, control systems, and decision making.

406 Continuous Improvement in Organizations. (3) A. Prerequisite: MGT 300 and QMB 200. Advanced methods and techniques used to analyze change, monitor, and analyze organizational performances, control resources, and otherwise direct the management of complex organizations.

410 Labor Relations. (3) I. Prerequisite: MGT 320. Study of labor-management relationships, including union organization campaigns, contract negotiations, grievance and arbitration procedures, labor-management cooperation, and union-free environments.

425 Compensation Management. (3) II. Prerequisite: MGT 320. Advanced study of the human resource function of employee compensation. Topics include job analysis and evaluation, compensation surveys, pay structures, budgeting pay for performance systems, benefits administration, and federal regulation of compensation management.

430 International Management. (3) A. Prerequisite: MGT 300. The study of management of international organizations with emphasis on techniques, processes and structures. Topics include organizational culture, leadership, ethics, decision-making, and human resource management.

440 Human Resource Development. (3) I. Prerequisite: MGT 320. Advanced study of human resource management functions aimed directly at enhancing organizational effectiveness. Topics include training needs analysis; training program design, implementation, and evaluation; performance management and appraisal; and costing human resource development programs.

445 Employee Recruitment and Selection. (3) II. Prerequisite: MGT 320. Advanced study of the human resource function of staffing. Topics include: recruitment, the design and implementation of effective selection procedures which comply with federal/state requirements, analysis and reporting of employee data.

450 Management Seminar. (1-3) A. May be retaken under different sub-topics to a cumulative maximum of nine hours. Selected topics in contemporary management literature.

465 Innovation and Entrepreneurship. (3) A. Prerequisite: MGT 300. An emphasis on the role of innovation and entrepreneurship in the creation and management of new ideas, concepts, techniques, processes, methods, ventures, and knowledge.

470 Integrated Resource Management. (3) A. Prerequisite: MGT 370. Advanced management models and computer techniques, international operations and interfunctional aspects of decision making from the perspective of controlling operations.

480 Organization Behavior. (3) I, II. Prerequisite: MGT 300. Determinants and consequences of behavior in business organizations are analyzed in the contemporary language of administrative social systems and models. Interdependence of economic, social, and behavioral factors is emphasized.

490 Special Problems in Management. (1-4) A. Prerequisite advisor/departmental approval. May be retaken under different sub-topics to a cumulative maximum of six hours. Independent work, special workshop, special topics, or seminars. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

MIL—Military Science Basic Courses
Lt. Col. Brett Morris, Chair
524A Begley

101 Group Dynamics of Leadership. (2) I, II, A. Development of leadership and problem solving abilities, examination of leadership style, counseling, and team building techniques, comparison of civilian and military leadership; and analysis of the Constitutional and historical basis for the U.S. Army. Enrollment by students with more than 60 credit hours requires Professor of Military Science approval.

102 Dynamics of Leadership and Operational Teamwork. (2) I, II, A. Study of theories, principles, techniques, and fundamentals of map reading and their application. Classes are systematically arranged to promote student participation in group leadership development and problem solving techniques. Enrollment by students with more than 60 credit hours requires Professor of Military Science approval.

201 Intermediate Leadership I. (2) I, II, A. Prerequisite: MIL 101 and MIL 102 or Professor of Military Science approval. Introduction to intermediate leadership and management, emphasizing individual leader techniques and basic soldier skills such as first aid, map reading, and drill and ceremony. Individual skills learned during the course provide the requisite foundation necessary to build leadership abilities in small group and team applications.

202 American Military History. (3) A. Examines U.S. Military history from pre-revolutionary times to post-Vietnam; defines the principles of war; discusses political-military interactions; develops leadership through group contribution in case studies which apply the principles of war to historical periods.

203 Intermediate Leadership II. (3) I, II, A. Prerequisite: MIL 201 or Professor of Military Science approval. Develops intermediate leadership abilities by introduction to small unit and squad operations and tactics. Individual military skill areas include training in advanced map reading, communications equipment and tasks, enhanced drill and ceremonies, and individual weapon fundamentals. This course is designed to prepare the motivated and dedicated student for the challenges of the ROTC Advanced Course. 2 Lec/ 2 Lab.

204 Military History (3) A. Traces the evolution of the art of warfare from the early modern period to the present by examining the development of generalship, strategy, tactics, theory, doctrine, professionalism, and logistics, and their interaction with social, political, economic, and technological factors.

210 Military Science Practicum Basic. (2, 4, 6) SUMMER ONLY. Introduces Military Science in a comprehensive summer field course designed to be taken in lieu of MIL 101, 102, 201, or 203. This course emphasizes practical field application and leadership development. The camp is held at Fort Knox, Kentucky, and the student is paid for attending the camp. (No military obligation)

MIL—Military Science Advanced Courses
Lt. Col. Brett Morris, Chair
524A Begley

Prerequisites: Completion of Military Science Courses (101, 102, 201 and 203), or basic training, or MIL 210, or approved ROTC courses and meet Army qualification standards.

301 Advanced Leadership and Management I. (3) I. Introduction to advanced leadership and management, emphasizing the branches of the Army, communication systems, and equipment. Defines principles of leadership and develops leadership through practical application as a leader in field training and physical conditioning. 2 Lec/5 Lab.

302 Advanced Leadership and Management II. (3) II. Develops leadership and management ability and military skills in military communications, weapons, and tactics. Develops leadership and command presence through student presentations and practical application as a leader in field training and physical conditioning. 2 Lec/5 Lab.

401 Fundamentals and Dynamics of the Military Team I. (3) I, A. Study of the military justice system, battalion staff organization, administrative/logistical management, army training management, and financial readiness. Hands-on application of the army writing style, military briefing techniques, time management, and the problem solving process. 2.5 Lec/5 Lab.

402 Fundamentals and Dynamics of the Military Team II. (3) II, A. Study of officer customs/ traditions, law of war, suicide prevention, environmental laws, defense against terrorism, operations security, soldier counseling, and army family team building. Examines creating an ethical climate, resolving ethical dilemmas, and motivating subordinates. 2.5 Lec/5 Lab.

410 Military Science Practicum Advanced. (6) SUMMER ONLY. Develops leadership through an intensive summer field course of rotating leader/command experience in problem analysis, decision making, and troop leading while providing in-depth coverage of technical and tactical subjects.

MKT—Marketing
TBA, Interim Chair
215 Combs

200 Introduction to Marketing. (3) I, II. Nonbusiness majors only. Introduces marketing concepts, techniques, and practices related to businesses and other organizations. Cannot be used for credit toward BBA degree.

300 Principles of Marketing. (3) I, II. Prerequisite: ECO 230. Overview of strategic processes involved in marketing goods and services to global markets; study of behavioral, organizational, and consumer variables in decision processes; use of the marketing mix and marketing information to affect buyer decisions.

304 Retailing. (3) A. Prerequisite: MKT 300. Principles of retailing from the marketing perspective, types of retail businesses; organizations; location; layout, management of operations, inventory, personnel, promotion, and control.

306 Services Marketing. (3) A. Understanding the customer from the services and non-profit marketing perspectives. Examination of marketing in service industries with emphasis on the unique aspects of services marketing, the service marketing mix and the implementation of services strategies.

309 Integrated Marketing Communications. (3) A. Cross listed as COM 309 and TEC 309. A course covering the theories, strategies, and skills of Intergrated Marketing Communication, with a special emphasis on applying IMC to the Internet and World Wide Web (WWW). Credit will not be awarded to students who have credit for COM 309 or TEC 309.

310 Personal Selling. (3) A. Prerequisite: MKT 300. Personal selling in marketing, the selling process, stressing the modern, international sales/ marketing approach to customer society oriented problem solving.

312 Principles of Transportation. (3) A. Prerequisite: MKT 300. Various forms of transportation and institutional factors influencing transportation decisions. Regulations, public policy, rate making, services, and the integration of transportation with other elements of business.

315 Physical Distribution Management. (3) A. Prerequisite: MKT 300. Movement and storage of goods, coordination and control of inventory, customer service, packaging, materials handling, facilities location, flow of information, and transportation.

320 Advertising. (3) A. Prerequisite: MKT 300. How advertising is organized, economic and social aspects; advertising research; basic media strategy; consumer behavior; legal and other restraints; careers in advertising.

349 Cooperative Study in Marketing. (1-3) A. Prerequisites: minimum GPA 2.25 and BBA major only. Co-curricular work experience under faculty and field supervisors—training plan required. May be retaken to a maximum of six hours. Minimum 80 hours work required for each academic credit. May not count toward major.

380 Seminar in Marketing. (3) A. Prerequisite: MKT 300. May be retaken under different sub-topics to a cumulative maximum of six hours. Selected topics in contemporary marketing literature.

400 International Marketing. (3) I, II. Prerequisite: MKT 300. Determination of marketing strategy by United States firms and multinational corporations for serving foreign markets and for

adapting to variations in cultural and economic factors affecting foreign marketing efforts.

404 Retailing Management. (3) A. Prerequisite: MKT 304. Investigation of current problems faced by retailers in store operations, management, retail buying, and inventory control. Outside readings, oral and written case studies, and field trip experiences are required.

408 Sales Management. (3) A. Prerequisite: MKT 310. Sales function in modern organizations with emphasis on current management techniques: time management, on-the-job coaching, directing the sales force to sell key accounts, situational analysis, and decision-making.

426 Advertising Campaigns. (3) A. Prerequisite: MKT 320. Planning and execution of a direct marketing and advertising campaign as a part of the overall marketing strategy. Students will originate a direct marketing campaign for a client. Includes all aspects of direct marketing and advertising. Credit will not be awarded to students who have credit for COM 450.

431 Purchasing and Materials Management. (3) A. Prerequisite: MKT 300. The purchasing process as it focuses on supply efficiency and effectiveness relating to the fit between purchasing objectives and strategies and organizational objectives and strategies.

440 Industrial Marketing. (3) A. Prerequisite: MKT 300. An analysis of the marketing structure for industrial products. Product lines, channels of distribution, selling, pricing, and wholesaling problems.

450 Consumer Behavior In Marketing. (3) I, II. Prerequisite: MKT 300. Role of consumer decision-making as it affects the marketing firm; basic concepts of consumer behavior and interrelationships that exist between marketing and the behavioral sciences.

455 Marketing Research and Analysis. (3) I, II. Prerequisites: MKT 300 and QMB 200. The role of research in marketing decision-making, the research process, with emphasis on collection, analysis, and interpretation of data as applied to solving marketing problems. Students are required to do a research project.

481 Internship in Marketing. (3 or 6) A. Prerequisites: minimum 2.25 GPA, MKT 300, MGT 300, and consent of instructor. Provides student with half-time or full-time relevant work experience in marketing. Written assignments and a project are required. May be taken only once for three (3) or six (6) hours of credit and not concurrently with Cooperative Study.

490 Special Problems in Marketing. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different sub-topics to a cumulative maximum of six hours. Independent work, special workshop, social topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

MUS—Music APPLIED MUSIC

Dr. John Robert, Chair
103 Foster

101A,B,C Performance Class. (0) A. Required of all music majors for three semesters. Passing grade achieved when students have attended a minimum total of 16 concert events per semester.

109 Introductory Class Piano. (1) I. For students enrolled in MUS 102. Elementary keyboard techniques and reading drill. Credit does not count toward a music major or minor.

110 Beginning Class Piano I. (1) I, II. Corequisite: MUS 181. Prepares non-piano majors to meet Level I Piano Proficiency Examination requirements. Basic keyboard skills, elementary repertoire, and technique. Some music reading ability required. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

111 Beginning Class Piano II. (1) I, II. Prerequisite: MUS 110 or instructor approval. Corequisite: MUS 182. Continuation of MUS 110. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

112 Piano I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

114 Keyboard Skills I. (1) I, II. Corequisite: MUS 181. Prepares piano majors and other music majors with advanced keyboard background to meet Level II Piano Proficiency Examination requirements. Emphasis is functional skills, such as reading, transposing, playing by ear, harmonizing and improvising, combined with keyboard harmony, technique and memorization skills.

115 Keyboard Skills II. (1) I, II. Prerequisite: MUS 114 or instructor approval. Corequisite: MUS 182. Continued development of skills begun in MUS 114 to prepare piano majors and other music majors with advanced keyboard background to meet Level IV Piano Proficiency Examination Requirements.

122 Voice I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

132a Violin I. (1-2) I, II. One or two lessons per week. Instruction available in violin. May be retaken to a maximum of four hours.

132b Viola I. (1-2) I, II. One or two lessons per week. Instruction available in viola. May be retaken to a maximum of four hours.

132c Violin 'cello I. (1-2) I, II. One or two lessons per week. Instruction available in violin 'cello. May be retaken to a maximum of four hours.

132d String Bass I. (1-2) I, II. One or two lessons per week. Instruction available in string bass. May be retaken to a maximum of four hours.

132f Guitar I. (1-2) I, II. One or two lessons per week. Instruction available in guitar. May be retaken to a maximum of four hours.

142 Organ I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

145a Cornet and Trumpet I. (1-2) I, II. One or two lessons per week. Instruction available in cornet and trumpet. May be retaken to a maximum of four hours.

145b French Horn I. (1-2) I, II. One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of four hours.

145c Baritone Horn I. (1-2) I, II. One or two lessons per week. Instruction available in baritone horn. May be retaken to a maximum of four hours.

145d Trombone I. (1-2) I, II. One or two lessons per week. Instruction available in trombone. May be retaken to a maximum of four hours.

145e Tuba I. (1-2) I, II. One or two lessons per week. Instruction available in tuba. May be retaken to a maximum of four hours.

146a Flute I. (1-2) I, II. One or two lessons per week. Instruction available in flute. May be retaken to a maximum of four hours.

146b Oboe I. (1-2) I, II. One or two lessons per week. Instruction available in oboe. May be retaken to a maximum of four hours.

146c Clarinet I. (1-2) I, II. One or two lessons per week. Instruction available in clarinet. May be retaken to a maximum of four hours.

146d Bassoon I. (1-2) I, II. One or two lessons per week. Instruction available in bassoon. May be retaken to a maximum of four hours.

146e Saxophone I. (1-2) I, II. One or two lessons per week. Instruction available in saxophone. May be retaken to a maximum of four hours.

147 Percussion I. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

210 Intermediate Class Piano I. (1) I, II. Prerequisite: MUS 111 or instructor approval. Corequisite: MUS 281. Second year course for non-piano majors to meet Level II Piano Proficiency Examination requirements. Continuation of skill development listed under MUS 110; more complex materials, intermediate repertoire, and technique. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

211 Intermediate Class Piano II. (1) I, II. Prerequisite: MUS 210 or instructor approval. Corequisite: MUS 282. Continuation of MUS 210. May be retaken to a maximum of two hours. Credit does not count toward a music major or minor.

212 Piano II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

222 Voice II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

230 String Instruments I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Fingering, care of instruments and tone production. Group instruction to prepare for teaching strings in class and for training string section of school orchestra; survey of teaching materials.

232a Violin II. (1-2) I, II. One or two lessons per week. Instruction available in violin. May be retaken to a maximum of four hours.

232b Viola II. (1-2) I, II. One or two lessons per week. Instruction available in viola. May be retaken to a maximum of four hours.

232c Violin 'cello II. (1-2) I, II. One or two lessons per week. Instruction available in violin 'cello. May be retaken to a maximum of four hours.

232d String Bass II. (1-2) I, II. One or two lessons per week. Instruction available in string bass. May be retaken to a maximum of four hours.

232f Guitar II. (1-2) I, II. One or two lessons per week. Instruction available in guitar. May be retaken to a maximum of four hours.

242 Organ II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

245a Cornet and Trumpet II. (1-2) I, II. One or two lessons per week. Instruction available in cornet and trumpet. May be retaken to a maximum of four hours.

245b French Horn II. (1-2) I, II. One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of four hours.

245c Baritone Horn II. (1-2) I, II. One or two lessons per week. Instruction available in baritone horn. May be retaken to a maximum of four hours.

245d Trombone II. (1-2) I, II. One or two lessons per week. Instruction available in trombone. May be retaken to a maximum of four hours.

245e Tuba II. (1-2) I, II. One or two lessons per week. Instruction available in tuba. May be retaken to a maximum of four hours.

246a Flute II. (1-2) I, II. One or two lessons per week. Instruction available in flute. May be retaken to a maximum of four hours.

246b Oboe II. (1-2) I, II. One or two lessons per week. Instruction available in oboe. May be retaken to a maximum of four hours.

246c Clarinet II. (1-2) I, II. One or two lessons per week. Instruction available in clarinet. May be retaken to a maximum of four hours.

246d Bassoon II. (1-2) I, II. One or two lessons per week. Instruction available in bassoon. May be retaken to a maximum of four hours.

246e Saxophone II. (1-2) I, II. One or two lessons per week. Instruction available in saxophone. May be retaken to a maximum of four hours.

247 Percussion II. (1-2) I, II. One or two lessons per week. May be retaken to a maximum of four hours.

251 Brass Instruments Class I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Fingering, care of instruments, tone production, and tuning. Group instruction to prepare for teaching brass instruments in band or orchestra. Examination of materials suitable for beginning instrumental programs.

252 Brass Instruments Class II. (1) I, II. Prerequisite: MUS 251. Corequisite: MUS 364 or 365 to a maximum of two hours. Continuation of MUS 251.

301A,B,C Performance Class. (0) A. Prerequisite: completion of MUS 101A,B,C. Required of all music majors for three semesters. Passing grade achieved when students have attended a minimum total of 16 concert events per semester.

312 Piano III. (1, 2, or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

313 Accompanying. (1/2) I, II. Prerequisite: keyboard coordinator approval. Upper-division keyboard students may substitute MUS 313 for ensembles requirements. Additional accompanying hours assigned. May be retaken to a maximum of two hours.

320 Class Voice. (1) I, II. Basic vocal techniques with emphasis on developing the voice for solo and/or choral performance.

322 Voice III. (1, 2, or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

330 String Instruments Class II. (1) I, II. Prerequisite: MUS 230. Corequisite: MUS 364 or 365 to a maximum of two hours.

332a Violin III. (1-4) I, II. One or two lessons per week. Instruction in violin. May be retaken to a maximum of eight hours.

332b Viola III. (1-4) I, II. One or two lessons per week. Instruction in viola. May be retaken to a maximum of eight hours.

332c Violin 'cello III. (1-4) I, II. One or two lessons per week. Instruction in violin 'cello. May be retaken to a maximum of eight hours.

332d String Bass III. (1-4) I, II. One or two lessons per week. Instruction in string bass. May be retaken to a maximum of eight hours.

332f Guitar III. (1-4) I, II. One or two lessons per week. Instruction in guitar. May be retaken to a maximum of eight hours.

342 Organ III. (1, 2, or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

345a Cornet and Trumpet III. (1-4) I, II. One or two lessons per week. Instruction available in cornet and trumpet. May be retaken to a maximum of eight hours.

345b French Horn III. (1-4) I, II. One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of eight hours.

345c Baritone Horn III. (1-4) I, II. One or two lessons per week. Instruction available in baritone horn. May be retaken to a maximum of eight hours.

345d Trombone III. (1-4) I, II. One or two lessons per week. Instruction available in trombone. May be retaken to a maximum of eight hours.

345e Tuba III. (1-4) I, II. One or two lessons per week. Instruction available in tuba. May be retaken to a maximum of eight hours.

346a Flute III. (1-4) I, II. One or two lessons per week. Instruction available in flute. May be retaken to a maximum of eight hours.

346b Oboe III. (1-4) I, II. One or two lessons per week. Instruction available in oboe. May be retaken to a maximum of eight hours.

346c Clarinet III. (1-4) I, II. One or two lessons per week. Instruction available in clarinet. May be retaken to a maximum of eight hours.

346d Bassoon III. (1-4) I, II. One or two lessons per week. Instruction available in bassoon. May be retaken to a maximum of eight hours.

346e Saxophone III. (1-4) I, II. One or two lessons per week. Instruction available in saxophone. May be retaken to a maximum of eight hours.

347 Percussion III. (1, 2, or 4) I, II. One or two lessons per week. May be retaken to a maximum of eight hours.

351 Woodwind Instruments Class I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Fingering, care of instruments, tone production, and tuning. Group instruction to prepare for teaching woodwind instruments in band or orchestra. Examination of materials suitable for beginning instrumental programs.

352 Woodwind Instruments Class II. (1) I, II. Prerequisite: MUS 351. Corequisite: MUS 364 or 365 to a maximum of two hours. Continuation of MUS 351.

354 Percussion Class I. (1) I, II. Corequisite: MUS 364 or 365 to a maximum of two hours. Snare drumming, rudiments, teaching techniques. Experiences on all related percussion instruments: bass drum, tympani, and others. Some experiences with mallet instruments; marimba, xylophone, bells, and others.

364 Instrumental Music Lab. (1) II. Practical experience in performing and conducting instrumental music literature appropriate for use in school situation. May be retaken to a maximum of one hour.

365 Choral Music Lab. (1) I. Practical experience in performing and conducting choral music literature appropriate for use in school situation. May be retaken to a maximum of one hour.

370 Marching Band Techniques. (2) I, II. Marching fundamentals, charting, and scoring for the contemporary marching band.

382 Choral Arranging. (2) I, II. Scoring literature of all types of choral ensembles for school use.

399 Junior Recital. (1) I, II.

412 Piano IV. (1, 2, or 4) I, II. One or two lessons per week. May be retaken.

422 Voice IV. (1, 2, or 4) I, II. One or two lessons per week. May be retaken.

432a Violin IV. (1-4) I, II. One or two lessons per week. Instruction available in violin. May be retaken to a maximum of eight hours.

432b Viola IV. (1-4) I, II. One or two lessons per week. Instruction available in viola. May be retaken to a maximum of eight hours.

432c Violin 'cello IV. (1-4) I, II. One or two lessons per week. Instruction available in violin 'cello. May be retaken to a maximum of eight hours.

432d String Bass IV. (1-4) I, II. One or two lessons per week. Instruction available in string bass. May be retaken to a maximum of eight hours.

432f Guitar IV. (1-4) I, II. One or two lessons per week. Instruction available in guitar. May be retaken to a maximum of eight hours.

442 Organ IV. (1, 2, or 4) I, II. One or two lessons per week. May be retaken.

445a Cornet and Trumpet IV. (1-4) I, II. One or two lessons per week. Instruction available in cornet and trumpet. May be retaken to a maximum of eight hours.

445b French Horn IV. (1-4) I, II. One or two lessons per week. Instruction available in French horn. May be retaken to a maximum of eight hours.

445c Baritone Horn IV. (1-4) I, II. One or two lessons per week. Instruction available in baritone horn. May be retaken to a maximum of eight hours.

445d Trombone IV. (1-4) I, II. One or two lessons per week. Instruction available in trombone. May be retaken to a maximum of eight hours.

445e Tuba IV. (1-4) I, II. One or two lessons per week. Instruction available in tuba. May be retaken to a maximum of eight hours.

446a Flute IV. (1-4) I, II. One or two lessons per week. Instruction available in flute. May be retaken to a maximum of eight hours.

446b Oboe IV. (1-4) I, II. One or two lessons per week. Instruction available in oboe. May be retaken to a maximum of eight hours.

446c Clarinet IV. (1-4) I, II. One or two lessons per week. Instruction available in clarinet. May be retaken to a maximum of eight hours.

446d Bassoon IV. (1-4) I, II. One or two lessons per week. Instruction available in bassoon. May be retaken to a maximum of eight hours.

446e Saxophone IV. (1-4) I, II. One or two lessons per week. Instruction available in saxophone. May be retaken to a maximum of eight hours.

447 Percussion IV. (1, 2, or 4) I, II. One or two lessons per week. May be retaken.

499 Recital. (1 or 2) I, II.

512 Piano V. (1-4) I, II. May not be taken for credit by piano majors.

513 Techniques of Accompanying. (1) I, II. Practical training in the tradition, interpretation, and execution of accompaniments. May be retaken to a maximum of two hours.

522 Voice V. (1-4) I, II. May not be taken for credit by voice majors.

542 Organ V. (1-4) I, II. May not be taken for credit by organ majors.

MUS—Music MUSIC ENSEMBLES
Dr. John Roberts, Chair
103 Foster

Ensembles are open to all students enrolled in the University and to qualified persons not enrolled. Interested individuals are invited to participate and should confer with the director of each ensemble to arrange for an audition.

127, 327 Opera Workshop. (1/2) I, II. Prerequisite: instructor approval. Preparation and presentation of opera scenes and complete works. All phases of performance and technical procedures of staging, costumes, and management.

205 Chamber Music. (1/2) I, II. Study and performance of standard chamber music literature. Open to pianists, vocalists, string, wind, and percussion players upon recommendation of instructor. Course may be retaken.

223 Vocal Jazz Ensemble. (1) I, II. Formerly part of MUS 225/425/825. Rehearsal and performances of show choir literature. Course open by audition only. May be retaken to a maximum of four hours.

224 Madrigal Singers. (1) I, II. Formerly part of MUS 225/425/825. Rehearsal and performance of literature of the Madrigal. Course open by audition only. May be retaken to a maximum of four hours.

225 Concert Choir. (1) I, II. Rehearsal and performances of choral literature. Course may be retaken.

226 University Singers. (1) I, II. Rehearsal and performance of music for vocal ensemble. Concerts given both on- and off-campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours.

235 Orchestra. (1) I, II. Rehearsal and performance of orchestra literature from all style periods. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours.

250 Small Ensembles. (1/2) I, II. Rehearsal and performance for string orchestra, brass choir, percussion ensemble, stage band, and clarinet choir. Course may be retaken.

255 Band. (1) I, II. Rehearsal and performance of standard band literature. Sections may include concert and symphonic bands and

wind ensemble. May be retaken to a maximum of four hours.

256 Marching Band. (1) I. Preparation and performance of marching band shows during the football season. Three or more rehearsals per week. May be retaken to a maximum of four hours.

423 Vocal Jazz Ensemble. (1) I, II. Formerly part of MUS 225/425/825. Rehearsal and performance of show choir literature Course open by audition only. May be retaken to a maximum of four hours.

424 Madrigal Singers. (1) I, II. Formerly part of MUS 225/425/825. Rehearsal and performance of literature of the Madrigal. Course open by audition only. May be retaken to a maximum of four hours.

425 Concert Choir. (1) I, II. Prerequisite: MUS 225. Rehearsal and performance of choral literature. Sections may include Concert Choir, Madrigal Singers, and Show Choir. Course may be retaken.

426 University Singers. (1) I, II. Prerequisite: MUS 226. Rehearsal and performance of music for vocal ensemble. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours.

435 Orchestra. (1) I, II. Prerequisite. MUS 235. Rehearsal and performance of orchestra literature from all style periods. Concerts given both on and off campus. Three or more hours rehearsal per week. May be retaken to a maximum of four hours.

455 Band. (1) I, II. Prerequisite. MUS 255. Rehearsal and performance of standard band literature. Sections may include concert and symphonic bands and wind ensemble May be retaken to a maximum of four hours.

MUS—Other Music Courses
Dr. John Robert, Chair
103 Foster

102 Introduction to the Fundamentals of Music. (3) I, II. Required by students whose musical experience and preparation, as indicated by the Theory Placement Interview, are deemed insufficient to complete MUS 181. Credit does not count toward a music major or minor

171 Enjoyment of Music. (3) I, II. May not count toward a music major or minor Provides the general college student with a cultural background in music. Masterpieces of music, composers, and techniques presented through listening materials and concert attendance. Gen. Ed 07.

181 Beginning Theory I. (4) I. Corequisite: MUS 110 or equivalent. Perception and understanding of music through an integrated study of relatively simple, short structures from the last Baroque to the early Romantic periods

182 Beginning Theory II. (4) II. Prerequisite: MUS 181. Corequisite: MUS 111 or equivalent. Continuation of MUS 181.

272 Music Literature. (3) I, II. Critical listening and scorereading of the standard repertory of music in Western Civilization from Gregorian plainchant to the Contemporary era. Gen. Ed 07.

273 Survey of American Popular Music. (3) I, II. Survey of American popular music establishing its origins and tracing its development to the present time. Gen. Ed. 08.

281 Intermediate Theory III. (4) I. Prerequisite. MUS 182. Corequisite. MUS 210 or equivalent. Continuation of MUS 182. Integrated skills further developed through the study of more difficult, longer structures from the Baroque and Classic periods.

282 Intermediate Theory IV. (4) II. Prerequisite MUS 281. Corequisite: MUS 211 or equivalent. Continuation of MUS 281. Integrated skills further developed through the study of more difficult structures from the Romantic and Modern periods.

283 Beginning Composition. (1) A. Prerequisite: instructor approval. Guidance in the exploration and development of compositional techniques relevant to the student's stylistic direction. Correct notation and major stylistic analysis stressed. May be retaken to a maximum of four hours provided the subject matter is different each time.

285 Jazz Improvisation. (2) A. Prerequisite. instructor approval. Open to music majors only Skills required by instrumental performer for improvising in contemporary jazz idioms. May be retaken to a maximum of four hours

349 Cooperative Study: Music. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate, sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit

360 Music Fundamentals for the Elementary Teacher. (2) I, II. Open only to elementary education majors who have been admitted to the Teacher Education Program Provides the grade teacher with sufficient knowledge and skills to teach music in the classroom. Notation, rhythmic participation, rhythm and melody instruments, creative activities, and listening experiences

366 Fundamentals of Conducting. (1) I. Prerequisite: junior standing in music or instructor approval. Basic techniques of conducting

367 Instrumental Conducting. (2) II. Prerequisite: MUS 366 Instrumental conducting techniques and their application in rehearsal and performance.

368 Choral Conducting. (2) II. Prerequisite. MUS 366. Choral conducting techniques and their application in rehearsal and performance.

371 Music History I. (3) I. Prerequisite: MUS 171 or instructor approval Survey of music history from beginnings through the Baroque era Gen. Ed 07.

372 Music History II. (3) II. Prerequisite MUS 371 or instructor approval Survey of music history from the Classical era to the present Gen. Ed. 07.

383 Orchestration. (3) I, II. Survey of ranges, timbres, and characteristics of orchestral instruments. Scoring for choirs and full orchestra

390 Survey of the Music Industry I. (2) I. Examination of the music industry including marketing and promotion, advertising, record production and companies, commercial radio and records, and radio business. A project reflecting course study is required

391 Survey of the Music Industry II. (2) II. Prerequisite: MUS 390 or instructor approval. Continuation of MUS 390 Examination of the music industry including royalties, artist management, performing rights, trade journals, and industry relations and problems. A project reflecting course study is required

480 Form and Analysis. (3) I, II. Prerequisite junior standing in music. In-depth study of the materials of form from the motive through large structures.

481 Counterpoint. (3) A. Prerequisite: MUS 281 or equivalent. Analysis and composition in 16th century and 18th century contrapuntal styles including parts of the mass, two and three-part inventions, and fugues.

483 Composition. (2) A. Prerequisite MUS 282 or equivalent, or instructor approval. Individual guidance in the exploration and development of compositional techniques relevant to the student's stylistic direction. May be retaken to a maximum of eight hours, provided the subject matter is different.

520 Diction for Singers. (1) A. For voice and choral conducting students. Enunciation and projection; accurate pronunciation in English, Latin, Italian, French, and German. Phonetics and the International Phonetic Alphabet.

550 Teaching Techniques. (1-2) A. Analysis of current teaching methods and materials with the intention of developing sound teaching procedures. May include observation and performance. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken to a maximum of two hours.

551 Performance Literature. (1-2) A. Literature for various performing media relative to performance practices and problems. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken to a maximum of two hours.

554 Band Literature. (2) A. Designed to acquaint the student with European origins of the modern band; history of band music; and literature for the contemporary band

555 Symphonic Music Literature. (3) II. Prerequisites: MUS 371 and 372. Evolution of the symphony from its beginning to the 20th century with emphasis on score reading and listening

556 Choral Music Literature. (3) I. Prerequisites. MUS 371 and 372. Survey of choral music literature from the 15th century to the present.

564 Advanced Instrumental Conducting. (2) A. Prerequisite MUS 367 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative orchestra or band works.

565 Advanced Choral Conducting. (2-3) A. Prerequisite. MUS 368 or equivalent Development of skills in score reading, preparation, interpretation, and conducting of representative choral works.

584 Fundamentals of Electronic Music I. (2) A. Mechanics of the synthesizer. Emphasis on "sound possibilities" and their actual production.

585 Fundamentals of Electronic Music II. (2) A. Prerequisite. MUS 584 or instructor approval. Composition through the use of the synthesizer. May be retaken to a maximum of four hours, provided the subject matter is different each time

586 Workshop in Instrumental Music. (1-4) A. Topics in band or orchestra procedures May be retaken to a maximum of four hours

588 Pedagogy of Theory. (2) A. Comparative study of theory systems with emphasis on presentation and illustrative exercises dealing with related theoretical problems

589 Workshop in Choral Music. (1-4) A. Techniques, literature, and materials pertinent to a particular area or areas of preparation and performance of choral music Topics to be announced. May be retaken to a maximum of four hours.

NAT—Natural Science
Dr. Gary Kuhnhenn, Chair
103 Roark

101 Biology: The Science of Life. (3) I, II. This biological science course emphasizes human relationships with the natural world by studying concepts in ecology, inheritance, evolution, and the functioning of living systems Credit will not be awarded to students who have credit for BIO 100. 2 Lec/2 Lab. Gen. Ed 13.

171 The Physical Universe. (3) I, II. An interdisciplinary course on natural philosophy, emphasizing science as a creative activity It traces the evolution of our conceptions of science, the universe, matter, and energy. Credit will not be awarded to students who have credit for PHY 101 2 Lec/2 Lab Gen. Ed 14

172 The Physical Environment. (3) I, II. This course explores aspects of the earth sciences

(meteorology, oceanography, geology and chemistry), emphasizing common concepts. Everyday experiences are used to illustrate physical principles. Credit will not be awarded to students who have credit for NAT 173. 2 Lec/2 Lab. Gen. Ed. 14.

300 Science as a Human Endeavor. (3) I, II. Using examples from biological and physical science this course investigates the scientific community, its structure, methods, and philosophy. Emphasis is on scientific revolutions that have affected perceptions of space, time, and cause. Gen. Ed. 15 or 16.

305 Dinosaurs. (3) A. The rise, diversification, and extinction of this prominent group of organisms. This course attempts to explore how scientists make inferences about the past, including the use and limitations of physical evidence and the nature of science. Gen. Ed. 15 or 16.

310 Topics in the Natural Sciences. (1-3) A. Selected interdisciplinary topics and topics of current interest in the natural sciences. May be retaken to a maximum of three hours provided topic is different each time. Gen. Ed. 15 or 16.

363 Ecology and Human Affairs. (3) I, II. A biological science course that develops the basic principles of ecology, and uses them as a basis for consideration of agriculture, land use, endangered species, and other environmental issues. Gen. Ed. 15 or 16

380 Science and Society. (3) I, II. By investigating incidences in which scientific knowledge interacts with society, this course attempts to understand the involvement of science with religion, government, technology, human population, energy, the environment, and the future. Gen. Ed. 15 or 16

NFA—Nutrition, Foods, and Food Administration
Dr. Diane Maynard, Chair
102 Burrier

121 Introduction to Food Composition and Preparation. (3) I, II. Composition of foods and their properties as they affect preparation. Scientific principles of food preparation.

201 Essentials of Nutrition. (3) I, II. A scientific study of the essential nutrients and their application in meeting nutritional needs of all ages. Consideration is given to food selection, nutrition misinformation, obesity, and other common dietary problems.

202 Introduction to Dietetics. (1) I. A professional orientation course describing the roles of the practitioner in administrative, clinical, and community dietetics, along with relationships to other health professionals

301 Bio Nutrition. (3) A. Prerequisites: CHE 102 or 112, and NFA 201. Structures and chemical properties of CHO, PRO, fat and nucleic acids, vitamins, coenzymes, minerals, and water related to metabolic processes

302 Diet Therapy. (3) A. Prerequisite: NFA 201 Basic diet therapy and its application to dietary treatment for patients. Nutrition guidance and counseling techniques. Study of specific diseases and relationship of modified diets to overall medical care and/or rehabilitation of the patient

317 Nutrition in the Life Cycle. (3) I, II. Prerequisite: NFA 201 or instructor approval. Study of dietary needs adapted to periods of the life cycle.

321 Meal Management. (3) A. Prerequisites: NFA 121 and 201 Food management, planning, preparation, and service of meals through management of time, energy, money, and efficient use of equipment. Consideration is given to nutritional needs, food habits, and social customs of family groups.

323 Experimental Foods. (3) A. Prerequisites: NFA 121 and CHE 102 or equivalent. Experimental procedures involving methods and techniques and their effects on the quality of products; individual problems dealing with the various aspects of food preparation.

325 Quantity Food Production. (2) I. Prerequisites: NFA 121. Corequisite: NFA 326. Standards, principles, and techniques for managing throughout the functional subsystems of a food service setting; emphasis on quality, quantity, and cost controls.

326 Field Experiences in Quantity Food Production. (2) I. Prerequisites: NFA 321. Corequisite: NFA 325. Supervised field experience in the technical application of theory presented in NFA 325.

344 Institutional Purchasing. (3) II. Prerequisites: NFA 325 and 326 or consent of instructor. Principles and methods of purchasing foods and equipment for various types of quantity food services; emphasis on specifications and factors affecting quality; food cost control. Field trips included.

349 Cooperative Study in Nutrition, Foods, and Food Administration. (1-8) A. Prerequisite: departmental approval. Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

402 Therapeutic Nutrition. (2) II. Prerequisites: NFA 317, NFA 302 and BIO 301 Corequisite: NFA 403. Theory and applications of the normal dietary patterns and specific modifications, according to disease processes. Integrates nutritional management, physiological, and biochemical alternations for pathological disorders

403 Clinical Experience for Therapeutic Nutrition. (1) II. Corequisite: NFA 402. Supervised clinical experience in acute and long term health care facilities in which the student will participate in patient interviewing, counseling, observing, and communicating with clinical dietetic professionals, nursing and other health professionals.

411 Community Nutrition. (2) A. Prerequisite: NFA 201. Corequisite: NFA 412. Analysis of nutrition services and legislation. Survey of roles of the nutritionist in various community settings Development of resource file and preparation of nutrition education materials for use with different population groups Planning and conducting nutrition surveys and analysis of data

412 Laboratory for Community Nutrition. (1) A. Prerequisite: NFA 201. Corequisite: NFA 411. Supervised field experience including observation and participation in various community programs and settings Experiences in individual and family nutrition counseling

445 Food Service Organization and Management. (3) A. Prerequisite NFA 325, 326 Administrative functions within a food service system. Emphasis in top management responsibilities: financial and time management, quality assurance, legislation, labor unions, merchandising, networking, and human resource management

500 Nutrition Concepts and Issues. (3) A. Fundamental principles of human nutrition and their application in meeting nutritional needs of all ages. Not open to dietetic or food service administration majors

501 Human Nutrition. (3) I. Prerequisites: CHE 330 or NFA 301; BIO 301, and NFA 201. Interrelations and functions of nutrients in normal nutrition; relation of nutrient requirements at the cellular level to dietary standards.

505 Maternal and Infant Nutrition. (3) A. Prerequisite NFA 201 Nutritional requirements prior to and during pregnancy, lactation, and infancy Survey the effects of dietary toxicants, deficiency and excesses of nutrients. Field experience

507 Child and Adolescent Nutrition. (3) A. Prerequisite: NFA 201. Nutritional needs, problems, dietary habits, and motivations of the toddler through adolescent years. Field experience.

509 Nutrition and Aging. (3) A. Prerequisite: NFA 201. The theories of causes of aging; nutritional requirements, dietary intakes and effects of nutrition on the rate of biological aging. Field experience.

515 Seminar in Nutrition. (1-3) A. Prerequisites: NFA 501 and instructor approval Reports and discussions of current problems and research in nutrition.

516 Special Problems in Nutrition. (1-3) A. Prerequisites: NFA 501 and instructor approval. The student chooses a problem and works under the supervision of an instructor. May be retaken to a maximum of six hours provided the topics vary Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

517 Sports Nutrition. (3). A. Prerequisite: NFA 201 or 500/700. Relationship of nutrition to optimal sports performance. Examines energy use during exercise metabolism, specific nutrient needs, nutritional strategies during training, conditions requiring special consideration, controversial and potentially dangerous nutritional practices of athletes

NMO—Orientation
Dr. Dominick Hart, Acting Dean
184 Memorial Science

100 Academic Orientation. (1) A. An introduction to the programs of the University and the College. Discussion of how to study, what to consider in choosing a profession, and what career opportunities exist for graduates from the College's programs. Additional topics include University regulations, publications, and support areas. Open to all students during their first two semesters of enrollment at EKU, beyond that required of students with fewer than 30 semester hours earned

NSC—Nursing (Baccalaureate)
Dr. Deborah Whitehouse, Chair
223 Rowlett

232 Health Assessment and Promotion I. (3) I, II. Prerequisites. Taken in semester immediately prior to expected enrollment in NSC 380 and students must meet minimum program GPA requirements of 2.5 or department approval; MAT 105 or approved substitution. Development of assessment and health promotion skills to be used with clients throughout the life cycle.

242 Communication in Nursing. (3) I, II. Prerequisite: Sophomore standing or instructor approval. Therapeutic communication processes, theories, and techniques for building nurse client relationships throughout the life cycle. Development of beginning skills in nursing informatics and oral communication.

252 Nursing Science Domain. (3) I, II. Prerequisite: Sophomore standing or instructor approval. Nursing science foundation using selected concepts and constructs. Emphasis on past and current knowledge in the formulation of nursing as a basic and applied science. Application of epidemiology to nursing practice.

330 Clinical Drug Therapy. (3) I, II. Prerequisite: BIO 301, NSC 350 or department approval. Foundation for applying drug knowledge in client care, with emphasis on increasing therapeutic effects and decreasing adverse effects Includes study of selected drug classes, prototypes and individual drugs

332 Health Assessment and Promotion II. (2) I, II, A. Prerequisites: NSC 232, 242, 252. Development of physical assessment skills and

evaluation of health patterns for clients throughout the life cycle.

350 Pathophysiology. (3) I, II. A. Prerequisite: BIO 171, 301 or departmental approval. Provides a framework for interpreting structural and functional changes associated with disease, facilitating critical thinking and decision making required of the professional nurse.

378 Short Topics in Clinical Nursing. (1-3) A. Provides enrichment learning for upper division nursing students and practicing registered nurses Each segment of the course describes the current trends in nursing theory and practice including relevant pathologic processes and usual nursing management. Emphasis on in-depth study of current interest topics. May be retaken to a maximum of six hours credit.

380 Adult Health Nursing I. (4) I, II. Corequisite or Prerequisite: NSC 350. Prerequisite: NSC 232, 242, 252. Uses nursing process to develop practice solutions for selected adult health issues

381 Perspectives in Professional Nursing I. (4) A. Prerequisites: RN status and admission to the nursing major. Transition to the professional nursing role for the RN student emphasizing foundational concepts of professional nursing practice.

385 Perspectives in Professional Nursing II. (4) A. Prerequisite: NSC 381. Advanced concepts and skills for professional nursing practice.

386 Adult Health Nursing II. (10) I, II. Prerequisites: NSC 350, 380. Uses nursing process to develop practice solutions for selected adult health issues.

390 Nursing Research. (2) I, II, A. Prerequisites: NSC 381 or 386; STA 215 or department approval. Uses the research process to guide nursing practice in the delivery of quality, cost effective health care.

392 Mental Health Nursing. (5) I, II. Prerequisites: NSC 330, 386, or department approval. Uses the nursing process to develop practice solutions for clients throughout the life cycle with selected mental health issues.

396 Family Health Nursing. (6) I, II. Prerequisites: NSC 330, 386, or department approval. Uses the nursing process to develop practice solutions for families during the childbearing and child rearing experience.

480 Health Care Leadership. (3) I, II. Prerequisites: NSC 392, 396, or 385, or department approval. An overview of leadership and management theory within nursing including legal, ethical and economic concepts. Prepares students to assume leadership in dynamic health care systems to promote comprehensive, cost-effective health care.

484 Adult Health Nursing III. (5) I, II. Prerequisites: NSC 392, 396. Uses nursing process to develop practice solutions for selected adult health issues

486 Community Health Nursing. (5) I, II. Prerequisites: NSC 392, 396, or 385, or department approval. Synthesizes nursing concepts and applies the nursing process to develop practice partnerships with communities and their subsystems.

492 Complex Client Health Care. (5) I, II. Prerequisites: NSC 480, 484, 486 or department approval. Synthesizes nursing competencies to manage complex health problems, integrating legal, ethical and economic concepts.

495 Professional Role Transition. (2) I, II. Prerequisite: Senior standing in the major. Role development seminar emphasizing refinement of oral presentation skills. Critical analysis of role theory, political, economic and socioethical systems which shape nursing practice. Analyzes strategies for instituting change in the health care delivery system.

496 Application of Nursing Theory. (2) I, II. Prerequisite: NSC 493 or department approval. Facilitates synthesis of nursing knowledge and strengthens the student's ability to apply theory to specific patient situations. Patient case situations from all nursing clinical areas are utilized.

498 Independent Study. (1-6) A. Prerequisite: Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Directed study or research on an issue or area of interest to nursing. May be retaken to a maximum of six hours

500 Early Childhood Health Care. (3) A. Prerequisite: education major or instructor approval. Focuses on the development of competencies necessary for health management of young children (ages birth through five years) with special health care needs. Appropriate for non-health care professionals in the community or classroom.

NUR—Nursing (Associate)
Dr. Pat A. Holden, Chair
220 Rowlett

115 Nursing Concepts I. (5) I, II. Prerequisite: Admission to the Associate Degree Nursing Program or instructor approval for auditing. Provides the theoretical foundation necessary for the beginning nursing student. Content addresses the role of the nurse in assisting individuals to meet basic needs throughout the lifecycle.

116 Laboratory Application of Concepts in Nursing Practice I. (1) I, II. Prerequisite or corequisite: NUR 115. Students are provided with opportunities to apply concepts in nursing practice in the laboratory setting.

117 Clinical Application I. (2) I, II. Prerequisite or Co-requisite: NUR 115; pre-requisite: NUR 116; both with a grade of "C" or better. Student applies concepts in nursing practice in the clinical setting. If this course is taken concurrently with NUR 115, a student must have an average of 77% or greater in NUR 115 at the time NUR 117 begins in order to be eligible to proceed in NUR 117.

120 Nursing Concepts II-Perioperative. (1) I, II. Formerly NUR 125. Corequisite NUR 121; Prerequisite: NUR 115, 116, 117, and ANO 100, BIO 171, NFA 201, ENG 101 all with a grade of "C" or better. Provides concepts and theories to apply the nursing process while caring for perioperative clients who are experiencing common stressors.

121 Clinical Application II-Perioperative. (2) I, II. Formerly NUR 125. Corequisite: NUR 120; Prerequisite: NUR 115, 116, 117, ANO 100, BIO 171, NFA 201, ENG 101 all with a grade of "C" or better Provides concepts and theories to apply the nursing process while caring for perioperative clients who are experiencing common stressors

122 Nursing Concepts II-Perinatal. (2) I, II. Formerly NUR 125. Corequisite: NUR 123; Prerequisite: NUR 115, NUR 116, NUR 117, ANO 100, BIO 171, NFA 201, ENG 101 with a grade of "C" or better. Builds upon concepts from NUR 115, 116, & 117. Provides concepts and theories to apply the nursing process while caring for perinatal clients experiencing common stressors

123 Clinical Application II-Perinatal. (1) I, II. Formerly NUR 125. Corequisite: NUR 122; Prerequisite: NUR 115, NUR 116, NUR 117, ANO 100, BIO 171, NFA 201, ENG 101 all with a grade of "C" or better. Builds upon concepts from NUR 115, 116, & 117. Provides opportunities for the beginning practitioner to apply the nursing process while caring for perinatal clients experiencing common stressors.

200 Dosage Calculation for Nursing. (1) A. Develops competency in dosage calculation and provides progression in application for nonparenteral to parenteral medications.

205 Role Transition for the Licensed Practical Nurse. (1) A. Prerequisite: Admission to Associate Degree Nursing Program. Requirement for entry of licensed practical nurses into NUR 235. Emphasis is on roles of the Associate Degree Nurse, communication skills, and use of the nursing process.

210 Medieval to Modern Drug Treatment. (3) I, II. This course explores herbology, home and folklore remedies, over-the-counter medications, high technology drug development, Food and Drug Administration (FDA) approval, and considers implications of merging past and present medicinal treatments.

215 Clinical Techniques in Nursing. (1-6) A. Prerequisite NUR 120, 121, 122, and 123 or equivalent with a grade of "C" or better. Supervised practice in department approved agency. The number of hours will depend on the range and depth of activities. May be retaken to a maximum of 6 hours.

230 Principles of Pain Management (2) I, II. This course examines specific concepts aimed at relieving client pain by altering the physiological, psychological, and behavioral variables of the pain experience.

235 Application of Nursing Concepts III. (10) I, II. Prerequisite. BIO 301, ENG 102, CHE 105, NUR 120, 121, 122, and 123 all with a grade of "C" or better. Develops competency in the application of the nursing process for clients experiencing alterations with ingestion, elimination, patterns of coping, normal cell proliferation, and the integument. Selected clinical experiences are utilized

245 Application of Nursing Concepts IV. (10) I, II. Prerequisite: NUR 235, BIO 273, PSY 202 or SOC 131 - all with grade of "C" or better Corequisite: NUR 255 Students develop competency in the application of the nursing process while caring for clients experiencing alterations in oxygenation, musculoskeletal, regulatory, and neurosensory function. Selected clinical experiences utilized

255 Trends and Issues in Nursing. (2) I, II. Prerequisite: NUR 235. Corequisite NUR 245 Focuses on current issues and trends in nursing Ethical, legal, and professional responsibilities and career opportunities are stressed with historical events in nursing interwoven.

265 Independent Study. (1-6) A. Directed study on an issue or area of interest to nursing May be retaken to a maximum of six hours credit

OHO—Ornamental Horticulture
Dr. Danny Britt, Chair
2 Carter

131 Principles of Horticulture. (3) I. Corequisite: OHO 132 Introduction to the major divisions of horticulture with emphasis on plant growth, propagation, reproduction, and soil-water relationships. Exploration of the various phases of horticulture and the related employment opportunities in the industry

132 Horticulture Laboratory. (1) I. Corequisite: OHO 131. Laboratory, greenhouse, and field work which applies the principles of nursery, turf, and greenhouse management taught in the classroom.

261 Selection and Use of Deciduous Trees and Shrubs. (3) I. Characteristics of identification and criteria for landscape use of perennials, deciduous tree, and shrub cultivars adapted to Kentucky

262 Selection and Use of Evergreen Trees and Shrubs. (3) II. Characteristics of identification and criteria for landscape use of tree and shrub cultivars adapted to Kentucky.

283 Bedding Plant Production. (3) II. Cultural practices of propagation and growing annuals and perennials to outdoor planting size, using structures and facilities necessary for production. Students will propagate and produce bedding plants and prepare outdoor plantings 2 lec/2 lab

301 Directed Work Experience. (1-4) I, II. Cross listed as AGR 301. A minimum of three hours per week per hour of credit using university or other approved facilities. Credit will not be awarded to students who have credit for AGR 301.

349 Cooperative Study in Horticulture. (1-8) A. Work under faculty and field supervisors in placements related to academic studies One to eight hours credit per semester or summer. Total hours. eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit.

351 Turfgrass Management. (4) I. Prerequisite: AGR 215 The establishment and maintenance of greenspaces utilizing turfgrass species and cultivars adapted to variable intensities of culture Relationships of environmental factors and cultural practices are emphasized 3 lec/2 lab

352 Horticulture Equipment. (2) A. The selection, operation, and maintenance of equipment and engines used in establishing and maintaining landscape, nursery, and greenhouse areas. 1 lec/ 2 lab

354 Irrigation Systems. (2) I. An introduction to irrigation systems, their design and installation for efficient water utilization in crop production and maintenance. Overhead, drip, and subirrigation systems are evaluated

362 Topics in Landscape Gardening. (1-6) A. Students may enroll up to six times for a total of six hours.

362A Home Landscape Option.

362D Disease and Insect Control Option.

362E Floral Design Option. 2 lab

362F Lawn Establishment and Maintenance Option.

362G Problems of Golf Course Operation Option.

362K Interior Plantscaping Option.

363 Retail Florist Operation. (3) A. Prerequisite: OHO 362E or prior floral design experience The study of floral businesses as related to locating, starting, and operating a retail floral establishment.

364 Advanced Floral Design. (2) A. Prerequisite: OHO 362E The study and practice of advanced floral design techniques; includes construction of conventional and contemporary floral designs 1 Lec/2 Lab

370 Landscape Operations Management. (3) II. Prerequisite: AGR 215. Management of labor, estimating and bidding along with basic maintenance of trees, shrubs, and herbaceous plants in the landscape operation. 2 lec 2 lab

371 Nursery Production Technology. (3) I. Formerly OHO 271 Prerequisites AGR 215, OHO 131, and 132. Production and wholesale marketing techniques of woody and herbaceous ornamental plants including site selection, growing procedures, and shipping Students work in the University nursery and develop business record keeping systems with the use of microcomputers

372 Nursery Retail Technology. (3) A. Prerequisites: OHO 131 and 132 The design, development, and management of a retail nursery outlet primarily a retail nursery garden center. Students will develop a model retail business including all phases of applied sciences such as business record keeping, with the help of microcomputers

373 Fruit Production. (3) A. Prerequisite: AGR 215. Planning, planting, and growing fruits Pruning, training, fertilizing, controlling pests, and harvesting for quality of bush and tree fruits.

384 Greenhouse Floral Crops. (3) A. The study of specialized greenhouse floral crops and methods of producing them; includes bed and container growing production cycles to meet peak demands and marketing techniques 2 lec/2 lab

385 Production of Foliage Plants. (3) A. Identification of green foliage plants, usually called houseplants; propagation techniques, rooting mediums, disease and insect control, and arranging plants in planters and baskets for marketing.

386 Vegetable Production. (3) A. Prerequisite: AGR 215. Vegetable growth and development, growing from seed, managing soils, planting, mulching, controlling pests, harvesting, handling, marketing, and storing of most vegetable crops.

388 Greenhouse Operation and Management. (3) II. Prerequisite: OHO 283, 384, 385, or 386. Plant propagation and growing techniques in a greenhouse. The student learns operation procedures and the economics of operating a greenhouse and using cold and hot frames

389 Greenhouse Management Practicum. (3) I, II. Prerequisite: OHO 388 Management of the greenhouse, students work nine hours per week in the greenhouses to practice management and production skills.

391 Landscape Methods and Related Businesses. (3) I, II. Prerequisite: OHO 261 or 262. Elements of design and the execution of the landscape architect plan Additional emphasis will be placed on occupations related to ornamental horticulture including industrial grounds management. 2 lec/2 lab

392 Advanced Landscape Techniques. (3) II. Prerequisite: OHO 391 or equivalent Designing and estimating techniques applied to real and practical landscape projects. Students will draw in ink and develop project cost estimates with the use of a microcomputer.

410 Special Problems Seminar. (1-3) I, II. Cross listed as AGR 410. Students choose a problem and work under the supervision of the instructor in the field of the problem Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment Credit will not be awarded to students who have credit for AGR 410.

OTS—Occupational Therapy
Dr. Onda Bennett, Chair
103 Dizney

111 Survey of Occupational Therapy. (1) I, II. Introduction to occupational therapy and the many facets of the profession. Survey course for individuals considering a career in health.

232 Foundation of Occupational Therapy. (3) I, II. Prerequisite: acceptance into professional program Basic theories, skills, concepts, and values of occupational therapy will be considered as a foundation of the student's professional development.

320 Theoretical Constructs in OT. (3) I, II. Prerequisite or Corequisite. OTS 232 Comparison of frames of reference for occupational therapy practice. Provides the theoretical basis for all subsequent treatment courses and the student's individual frame of reference.

321 Foundations in Occupation. (3) I. Study of the value and use of occupation as it relates to occupational therapy theory, professional terminology, and activity analysis. Compare theories as a basis for treatment Prerequisite: permission of instructor. Open only to post-baccalaureate program students.

331 Therapeutic Activities. (3) I, II. Prerequisite: acceptance into professional program Study of the value and use of activities in occupational therapy and occupational performance skills in work, play/leisure, and self-care Development of teaching and activity analysis skills 2 Lec/2 Lab.

335 OT Group Theory and Skills. (2) I, II. Prerequisite: OTS 232. Contemporary group theories and skills used by occupational therapists in practice arenas with children, adolescents, adults, and the elderly Development of skills in group roles and programming for therapeutic groups 2 Lec.

341 Level I Fieldwork - A. (2) I, II. Prerequisites: EMC 104 and OTS 232. Prerequisite or Corequisite: OTS 352. The first competency based fieldwork course to develop professional skills in occupational therapy service delivery. Students assigned to agencies serving infants, children, or adolescents. 5 Lab.

352 OT For Infants and Children. (4) I, II. Prerequisites: PSY 280, OTS 320 and OTS 232. Prerequisites or Corequisites: BIO 371 and AHN 207. Programming for infants and children. Evaluation, program planning, treatment application, prevention, and consultation. Concepts of health and illness related to infants and children. 5 Lec/ Lab.

353 Occupational Therapy for the Adolescent. (4) I, II. Prerequisite: BIO 371. Prerequisite or Corequisite: OTS 320. Theories, approaches, and principles of occupational therapy programming for the adolescent Evaluation, program planning, and treatment application. 4 Lec/ Lab.

354 OT for Adults-Assessment and Treatment I. (4) I, II. Prerequisites: BIO 271, 371, and PSY 308. Prerequisites or Corequisites: OTS 320, 335, and 362. First course on occupational therapy assessment and treatment for adults. Emphasis on normal development, medical diagnoses, biopsychosocial problems, and programming for occupational performance. 5 Lec/ Lab.

362 Human Motion for Activity. (3) I, II. Prerequisites. acceptance into professional program and BIO 271 Kinetics of the musculoskeletal system in relation to occupational performance skills. Included are evaluation procedures for muscle strength, range of motion, biomechanical analysis, and hand function. 2 Lec/2 Lab.

410 Special Problems in Occupational Therapy. (1-3) A. Prerequisite Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Independent study, special seminar, or special topic. May be retaken to a maximum of six hours.

425 Technology for the Disabled. (3) I, II. Prerequisites: Senior standing in professional program Knowledge and skills in the use of specific technology available for occupational therapists to develop or enhance the work, leisure or self-care skills of the severely disabled individual.

431 Therapeutic Adaptations. (3) I, II. Prerequisites. OTS 331, and 362. Skills in adapting tools, equipment, environments, and activities for therapeutic use. Designing, fabricating, using orthotic devices, and developing assistive and adaptive equipment to enhance work, play/leisure, and self-care skills. 2 Lec/2 Lab.

432 Research Methodology in OT. (3) I, II. Prerequisites: senior standing in professional program and a three hour statistics course. Students will learn to be consumers of research data, conduct literature searches, examine methods of research design and data collection, and prepare a research proposal related to occupational therapy.

435 OT Professional Seminar. (2) A. Prerequisite: senior standing in program. Seminar course in which students will discuss and debate health issues related to practice. Concepts of position statements, strategic planning, and self-directed learning will be emphasized.

454 OT for Adults - Assessment and Treatment. (4) I, II. Prerequisites: OTS 354 and 362. Second course on occupational therapy assessment and treatment for adults. Continuation of medical diagnoses, biopsychosocial problems, and programming for occupational performance. 5 Lec/Lab.

455 OT for the Elderly. (4) I, II. Prerequisite BIO 371 Prerequisite or Corequisite: OTS 320. Theories, approaches, and principles of gerontic

occupational therapy. Theories of aging, normal physiological and psychological changes of aging, specific diseases and conditions, and common problems of the aging population. Focus on occupational therapy intervention. 4 Lec/Lab.

462 Level I Fieldwork - B. (2) I, II. Prerequisite: OTS 341. Prerequisite or Corequisite: OTS 353, 454. The second competency based fieldwork course to help develop skills in occupational therapy service delivery. Students assigned to agencies serving adults with biopsychosocial problems. 5 Lab.

473 Level I Fieldwork - C. (2) I, II. Prerequisite: OTS 462. Prerequisite or Corequisite: OTS 455. The third competency based fieldwork course to help develop skills in occupational therapy service delivery. Students assigned to agencies serving the elderly. 5 Lab.

478 OT Management. (3) I, II. Prerequisite: senior standing in professional program. Occupational Therapy management includes healthcare trends, credentialing of personnel, ethical and legal issues. Application of management principles in the provision, payment and documentation of OT services.

481 Level II Fieldwork (Internship). (6) A. Prerequisites: completion of all OTS and supporting courses and instructor approval. Equivalent of 12 weeks of supervised field experiences in traditional and/or emerging practice settings. Students will be supervised by registered therapists.

482 Level II Fieldwork (Internship). (6) A. Prerequisites: completion of all OTS and supporting courses and instructor approval. Equivalent of 12 weeks of supervised field experiences with individuals of varying ages and conditions. Students will be supervised by registered therapists.

483 Level II Fieldwork Specialty Internship. (2-6) A. Prerequisites: OTS 481 and 482. One to three months of field experience in a specialty area of occupational therapy. Students will be supervised by registered therapists.

515 Early Child Sensorimotor Development. (3) A. Provides an overview of normal sensorimotor development in infants and young children. Includes contrasting normal/abnormal development and application of appropriate developmental tasks. Laboratory experiences will be provided

520 Providing Health Services in Appalachia. (3) A. Prerequisite: instructor approval. An overview of development and delivery of health care services in Appalachia. Examination of relevant current and historical factors which have an impact on the health of Appalachian people.

530 OT in Early Childhood Programs. (3) A. Prerequisite: OTS 352 or equivalent; or graduate OT student. Will acquaint students with early intervention and preschool environments, and the role of occupational therapy in these environments.

531 Occupational Therapy Services in the School System. (3) A. Prerequisite: OTS 352, 353 or equivalent, or graduate OT student. In-depth study of school-based occupational therapy. Theories, principles, models of practice, and methods of occupational therapy delivery of services for students experiencing dysfunction in educational performance, within the context of state and federal laws.

PAD—Police Administration
TBA, Chair
467 Stratton

103 Foundations of Policing. (3) I, II. Overview of police functions and responsibilities at the local, state, and federal levels. Police operations are examined relative to effectiveness in crime control, delivery of services, and maintenance of order.

215 Police Operations and Programs. (3) I, II. Formerly PAD 415. Review of contemporary policy issues, programs, and strategies. Assessment of reform measures and accountability mechanisms. Detailed analysis of police practices, including patrol, investigations, specialized operations, and crime prevention.

216 Criminal Law. (3) I, II. The nature of the criminal act; the essential elements; theories of responsibility; exculpatory matters; overview of common law offenses, identification of trends in the law

315 Police Administration and Management. (3) I, II. Critically examines the theories of motivation, leadership, and organization in the police context. Police administrative and management functions studied emphasizing personnel management and organizational change.

316 Criminal Evidence. (3) I, II. Overview of trial procedures; classification of evidence; proof; presumptions; relevance; eyewitness identification; testimonial privileges; character; hearsay; impeachment; scientific evidence, collection and preservation of evidence.

320 Workshop in Law Enforcement. (1-3) A. Designed primarily for in-service law enforcement personnel; focuses on current problems, issues, and strategies in law enforcement. May be retaken to a maximum of six hours.

326 Police, Liability, and Ethics. (3) A. Police conduct is examined relative to ethical and legal principles. Application of federal and state civil, criminal, and administrative law including civil rights issues.

330 Topics in Police Studies. (1-3) A. Examination of a contemporary issue in policing including historical perspective, societal issues, present status, and future development. The police response to a specific problem is the core of this course. Course may be taken one time.

349 Cooperative Study in Police Administration. (1-8) A. Prerequisite: departmental approval. Work, under faculty and field supervisors, in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; fifteen, baccalaureate. Minimum 80 hours work required for each academic credit. A maximum of three hours of PAD 349 and 424 can be applied toward the PAD major or minor.

375 Terrorism/Counterterrorism. (3) A. A study of domestic, foreign, and transactional terrorism, with emphasis on the philosophical bases, organization, equipment, and operations of terrorist groups. Role of law enforcement agencies in implementation of anti-terrorist measures is examined. Credit will not be awarded to students who have credit for APS 375.

390 Predatory Crime and Crime Patterns. (3) A. Examination of selected crime categories including predatory street, conventional property, and sex crimes. Areas of concentration include theoretical and ecological characteristics, victim-offender relationships, and crime patterns emphasizing police responses.

408 Police Computer Technology. (3) I, II. Prerequisite: CIS 212, 230, or instructor approval. Overview of police computer applications and the impact of computing technology on police operations, including the prevention, detection, and investigation of computer crime.

410 Human Relations in Policing. (3) A. Theoretical and practical problems and issues in the relationship between police agencies and the total community. Various police-community relations programs are outlined.

416 Criminal Procedure. (3) A. Prerequisite: PAD 216 or instructor approval. A detailed study of the laws of arrest (including the use of force), search and seizure, emphasizing the constitutional basis, historical development, statutes, and recent court decisions.

424 Field Experience. (3-12) A. Prerequisites: instructor and departmental approval. Maximum of 12 semester hours. Designed to broaden the educational experience through appropriate observational work assignments. (Intended for pre-service students in non-sworn positions). A maximum of three hours of PAD 424 and PAD 349 can be applied toward the PAD major or minor.

426 Federal Criminal Law. (3) A. Prerequisite: PAD 216 and 316. An examination of the federal criminal law enforcement system with a focus on substantive offenses. In addition to specific crimes, the bases of federal jurisdiction will be studied

460 Independent Study. (1-3) A. Prerequisite: departmental approval. Individual study and/or research on a problem relating to police studies. May be retaken to a maximum of three hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment

PHE—Physical Education
Dr. Lonnie J. Davis, Chair
202 Weaver

125 Introduction to Physical Education. (1) I, II. Introduction to the profession, exposure to professional standards of leadership, service, and scholarship, and assessment of skills and proficiencies necessary for professional advancement

200 Heritage of Dance. (3) I, II. Introduction to dance, its role as a non-verbal means of expression. Examination of all dance forms and their cultural context including folk, social, entertainment, and dance as an art form. Gen. Ed 07.

220 Team Sports I. (2) I. Basic skills, strategy, rules, officiating, and teaching techniques related to flag football and basketball.

224 Team Sports II. (3) I, II. Basic skills, strategy, rules, officiating, and teaching techniques related to basketball, volleyball, soccer/speedball, and track and field.

241 Swimming and Water Safety. (1) I, II. Prerequisite: HPR 282, Beginning Swimming or instructor approval. Develop swimming skills and endurance to intermediate level; study of fundamental mechanical principles; basic safety skills, ability to conduct a variety of aquatic activities

242 Advanced Lifesaving. (1) I, II. Prerequisite: ability to pass American Red Cross swimming test. Advanced technique of water safety and rescue; American Red Cross certification awarded to those who qualify

250 Dance Technique and Production. (1) I, II. Beginning/intermediate dance technique, primarily modern, with opportunities for choreography, technical production, and/or performance of group dance composition in a concert presentation. May be retaken to a maximum of three hours

261 Coaching Baseball. (2) I, II. Theory and practice in coaching the fundamentals of baseball; team offense and defense

300 Elementary Dance Forms. (3) II, A. Creative and social forms of dance in educational and recreational settings designed for the recreation, elementary education, and physical education major.

305 Individual and Dual Sports I. (3) I, II. Basic skills, strategy, etiquette, rules, and teaching techniques related to tennis, golf, and badminton

306 Individual and Dual Sports II. (3) A. Basic skills, strategy, etiquette, rules, and teaching techniques related to archery, bowling, and raquetball

307 Strength and Conditioning Programming. (1) I, II. Basic skills in developing, implementing, and evaluating strength and

conditioning programs. Knowledge of strength and resistance training, spotting techniques, and safety techniques for all fitness levels and ages.

310 Physical Activity and Child Development. (3) II. Prerequisite: EPY 319. Understanding of motor development and the improvement of human movement through developmental movement activities which are basic to readiness for performance at school.

312 Care and Prevention of Athletic and Exercise Injuries. (3) I, II. Prerequisite: BIO 171. Overview of the mechanism, prevention, management, and rehabilitation of athletic and exercise injuries. Practical experiences include the application of supportive techniques to the major joints of the body.

315 Physical Fitness Concepts and Applications. (3) I, II. Discussion, demonstration, practice of fitness concepts and various methods of developing physical fitness.

320 Biomechanics. (3) I, II. Prerequisite: BIO 171. Qualitative study of human movement through anatomical, physiological, and biomechanical concepts; analysis and application.

323 Movement Concepts and Skill Themes. (3) I. Prerequisite: Physical Education major and EDF 103 and 203. Motor skill themes and movement concepts required for planning and teaching the appropriate sequence and scope for achievement of learner outcomes through elementary physical education.

325 Physiology of Activity. (3) I, II. Prerequisite: BIO 301. Effects of physical activities on various systems of the human body.

326 History and Philosophy of Physical Education. (2) I. Physical education from an historical perspective and philosophies of well-known physical educators with implications for the individual and society.

327 Sport in American Society. (3) II. Impact of sport in American society with attention to relationship of political, economic, ethnic, and institutional forces operating within the phenomenon of sport.

340 Advanced Swimming and WSI. (2) I, II. Prerequisite: proficient swimming ability for achievement of advanced swimming and WSI skills. Study of aquatic management and teaching technique. WSI certification awarded to those who qualify.

345 Dance Choreography. (2) I. Basics of dance choreography, applicable to entertainment and art forms of dance.

349 Cooperative Study. (1-8) A. Work in a cooperative placement related to student's academic studies. Satisfactory (S) or Unsatisfactory (U) grade. May be retaken to a maximum of eight hours. A minimum of 80 hours work required for each semester hour credit.

360 Coaching Basketball. (2) I, II. Theory and practice in coaching the fundamentals of basketball; team offense and defense.

362 Coaching Track and Field. (2) II. Theory and practice in coaching fundamentals involved in track and field.

365 Gymnastics. (2) I, II Knowledge and skills required for teaching gymnastics skill themes and movement concepts.

370 Practicum in Physical Education. (1-3) I, II. Overview of physical education teaching through consultation and application; students will experience teaching-learning situations by assisting with various curricular programs. May be retaken to a maximum of three hours.

383 Sports Officiating. (1) I, II. Technique and skill of officiating, structure of officiating, and relationship between performance, behavior, and the official's duties.

398 Practicum in Athletic Training. (1-6) A. Supervised athletic training in a school, university, or clinic setting. May be retaken to a maximum of six hours.

400 Organization of Recreational Sport Activities. (3) I, II. Theoretical and practical study of intramural recreational sports programming in institutional, agency, and private setting. Laboratory hours assigned. 2 Lec/2 Lab.

401 Assessment of Athletic Injuries. (3) I, II. Prerequisites: BIO 171, 301, and junior standing. Study of special techniques and problems in the recognition and management of athletic injuries at every level of competition.

402 Rehabilitation and Conditioning of Athletes. (3) I, II. Prerequisites: BIO 171, 301, and junior standing. Overview of conditioning programs for athletic team members and therapeutic exercise programs.

403 Therapeutic Modalities for Athletic Training. (3) I, II. Prerequisites: BIO 171, 301, PHE 312, and 401. Study and practice related to the physiological effects of heat and cold; the therapeutic indications and contraindications of such modalities as heat, cold, electricity, ultrasound, and water.

404 Advanced Techniques of Athletic Training. (3) II. Formerly PHE 515. Prerequisites: BIO 171, 301, PHE 312. Study of specialized athletic training techniques, including use of electrical therapy devices.

415 Outdoor and Lifelong Leisure Motor Activities. (3) I, II. Knowledge and skills needed to conduct cooperative, leisure, adventure, and outdoor motor activities for achievement of important personal and educational goals.

420 Coaching Football. (2) I, II. Theory and practice in coaching the fundamentals of football; team offense and defense.

433 Adult Physical Fitness Programs. (3) I. Prerequisites: BIO 171, 301, and junior standing. Formerly PHE 333. Practice and study of exercise programs meeting the guidelines of the American College of Sports Medicine (ACSM) for improving body composition and cardiovascular-respiratory function in adults.

435 Teaching Aerobic Dance. (3) II, A. Formerly PHE 335. A methods course for teaching aerobic dance-exercise. Students will learn movement and rhythmic fundamentals, effective teaching methods, how to develop appropriate and creative choreography, injury prevention, marketing techniques, and legal issues involved in starting and running an aerobic dance-exercise class.

450 Advanced Dance Technique and Production. (1) I, II. Formerly PHE 550. Advanced technique, primarily modern, with opportunities for choreography, technical production, and/or performance of solo or group dance composition in a concert presentation. May be retaken to a maximum of two hours.

467 Skill Acquisition. (3) I, II. Practical application of principles of learning and performing motor skills taught in the physical activity environment and the influence of historical events on research in the area of skill acquisition.

470 Internship: Sports Supervision. (1-6) A. Prerequisite: 2.0 GPA. Students are required to document a minimum of 200 hours of sport supervision related experiences prior to enrollment in PHE 470. Supervised experiences in the directing of sports and physical activities in various settings. May be retaken to a maximum of six hours.

471 Internship: Adult Fitness. (1-6) A. Prerequisite: 2.0 GPA. Students are required to document a minimum of 200 hours of adult fitness related experiences prior to enrollment in PHE 471. Supervised experiences in the directing of adult fitness activities in various settings. May be retaken to a maximum of six hours.

472 Internship: Wellness. (1-6) A. Prerequisite: 2.0 GPA. Cross listed as HEA 472. Students are required to document a minimum of 200 hours of wellness related experiences prior to enrollment in PHE 472. Supervised experiences in the directing of wellness activities in various settings. May be retaken to a maximum of six hours. Credit will not be awarded to students who have credit for HEA 472.

485 Independent Study. (1-3) I, II. Individual work on a physical education related problem in supervised situation. Restricted to undergraduate physical education major or minor student. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

523 Psychology of Sport and Coaching. (3) I. Behavioral aspects related to sport, coaching, and the athlete in contemporary society; factors affecting performance in a competitive setting investigated.

562 Physical Education for the Exceptional Individual. (2) I, II. Principles and practices of adapted physical education emphasizing the nature and needs of exceptional persons. Includes history, recent legislation, growth and development factors, assessments, and individual education plans.

575 Tests and Measurements in Physical Education. (3) I, II. Administration and scoring of tests, evaluation of use of results obtained.

590 Special Topics in Physical Education. (1-4) A. Study of various topics in physical education and sport selected to meet special student needs and interests. May be retaken to a maximum of six hours with advisor approval provided subtitle is different.

PHI—Philosophy
Dr. James Robert Miller, Chair
268 Case Annex

100 Practical Reasoning. (3) I, II. The development of skills essential for the analysis and evaluation of reasoning and argumentation of kinds commonly encountered in essays, textbooks, news media, discussions, lectures, and work situations. Gen. Ed. 03 or 04.

110 Beginning Philosophy. (3) I, II. Basic introductory course in philosophy. Consideration of perennial questions of the human experience, especially questions about reality, knowledge, self, values, and religious belief. Gen. Ed. 07.

130 Beginning Ethics. (3) I, II. Survey of theories concerning the nature of right and wrong, emphasizing how these theories can be applied to personal moral choices. Gen. Ed. 07.

240 Philosophy of Religion. (3) A. Study of religious experience, ideas of belief and knowledge, nature and existence of God, doctrine of persons, faith religious ethics, and religious language. Gen. Ed. 07.

280A,B,C Short Topics in Philosophy. (1 each) A. One or two or three distinct short topics offered sequentially during one semester. The student may take any or all of the topics, and the course may be retaken to a maximum of six hours if each topic is different.

300 Greek and Roman Philosophy. (3) A. Survey of philosophical thought as seen through an examination of selected issues and selected philosophers from ancient Greece through the early Roman period. Gen. Ed. 07.

310 Medieval Philosophy. (3) A. Study of Christian, Jewish, and Islamic philosophical thought in the Middle Ages and of Renaissance scholasticism. Issues in various areas of philosophical inquiry are examined through selected readings from Augustine to Suarez.

320 Modern Philosophy. (3) A. Survey of philosophical thought as seen through an examination of selected issues and selected philosophers from the Renaissance through the 19th century. Gen. Ed. 07.

330 Twentieth Century Philosophy. (3) A. A survey of the principal schools of philosophic thought of the twentieth century in Europe and

America, with special attention to the important issues which emerge.

332 Existentialism. (3) A. Study of the sources of modern existentialism in the writings of Pascal, Hamann, Kierkegarrd, and Nietzsche, and an examination of such recent existentialists as Sartre, Camus, Unamuno, Jaspers, Buber, and Marcel.

333 Recent Analytic Philosophy. (3) A. Examination of recent philosophic articles and books in the analytic tradition on philosophic topics at the center of current philosophic interest.

340 Philosophy of Science. (3) A. How views of reality, knowledge, and values relate to science and scientists Philosophical assumptions of science examined through historical examples of scientific investigations. The value and the values of scientific methods and scientific theories Gen. Ed. 08.

342 American Philosophy. (3) A. A critical examination of basic beliefs held by Americans regarding themselves, their culture, and world, through the thought of modern American philosophers such as Royce, Peirce, James, Santayana, Woodbridge, Dewey, and Whitehead.

349 Cooperative Study: Philosophy. (1-8) A. Prerequisite. departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours. eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

360 Human Nature. (3) A. Examination of philosophic issues in the study of human nature Of particular importance will be philosophic problems that are raised by twentieth century work in the social and behavioral sciences. Gen. Ed 08.

362 Technology and Human Values. (3) A. Survey of contemporary theories concerning the interrelations of people, technology, and nature. Pro-technology and anti-technology positions are considered through the study of such representative theorists.

371 Symbolic Logic. (3) A. Basic introduction to modern symbolic logic: propositional logic, first order predicate logic, proofs and metaproofs, and nature and properties of formal logic systems.

380 Business Ethics. (3) A. Examination of ethical issues which arise in business organizations Typical topics include: ethical theories, loyalties and responsibilities of superiors and subordinates, codes of conduct, personal value versus organizational objectives, whistle blowing, and case analysis procedures

383 Health and Biomedical Ethics. (3) A. An examination of the value-issues which surround problems that anse in health-related fields and whose resolution calls for moral judgments. Typical problems would include euthanasia, experimentation with humans, behavior control, genetic engineering, and distribution of health care facilities.

385 Environmental Ethics. (3) A. Examination of historical and contemporary views of the values and rights of nature. Emphasis on conservation issues in America as they relate to the ethical views held by the general public, conservationists, resource managers, and decision-makers. Gen. Ed 08.

390 Special Topics in Philosophy. (3) A. Prerequisite instructor approval. Detailed examination of a problem-area or a school of philosophy in the history of philosophy or the thought on one outstanding philosopher. May be retaken to a maximum of six hours if the topic is different

400 Metaphysics. (3) A. An elaboration of the various approaches to metaphysics in the history of philosophy, including contemporary anti-metaphysical points of view.

432 Philosophy of Art. (3) A. Examination of the major philosophical theories of art and beauty and the place of aesthetic language in the general area of value judgments Representative classical and contemporary figures will be considered

490 Independent Work in Philosophy. (3) I, II. Prerequisite: instructor approval. Individual research and reading on a specified philosophical problem chosen by the student and instructor Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment May be retaken to a maximum of six hours if topic is different.

499 Senior Thesis. (3) A. Prerequisites: first semester senior and completion of all but 12 hours of the major; or advisor approval. Supervised, independent thesis for seniors majoring in philosophy Students' thesis proposals must be approved by thesis supervisor and departmental committee prior to enrolling in the course

551 Classical and Medieval Political Theory. (3) A. Formerly POL 557. Cross-listed as PHI 551 Examination of Western political thought from Plato to Aquinas. Credit will not be awarded to students who have credit for POL 557, POL 757, POL 751, PHI 557, PHI 757, PHI 557 or PHI 559

552 Modern Political Theory. (3) A. Formerly POL 559 Cross-listed as PHI 552 Examination of Western political theory from Renaissance to the mid-twentieth century Credit will not be awarded to students who have credit for POL 559, POL 759, POL 752, PHI 559, PHI 759, or PHI 752

553 Contemporary Political Theory. (3) A. Cross-listed as PHI 551. Examination of Western political thought from the mid-twentieth century to the present. Credit will not be awarded to students who have credit for PHI 553, PHI 753 or POL 553

PHY—Physics
Dr. Christopher Laird, Chair
351 Moore

101 Concepts of the Physical World. (3) I, II. Designed primarily for the non-science student Topics on energy, sound, light, electricity, magnetism, and nuclear phenomena Credit will not be awarded to students who have credit for NAT 171 2 Lec/2 Lab. Gen. Ed 14

131 College Physics I. (5) I, II. Prerequisites. one unit each of high school algebra and plane geometry Corequisite. MAT 107 or higher, a MAT ACT score of 20, or approval of the Chair Fundamental ideas of mechanics, heat, and sound Credit will not be awarded to students who have credit for PHY 201. 4 Lec/2 Lab Gen. Ed 14

132 College Physics II. (5) I, II. Prerequisite PHY 131. Fundamental ideas of electricity, magnetism, optics, and modern physics Credit will not be awarded to students who have credit for PHY 202. Lec/2 Lab.

201 University Physics I. (5) I, II. Prerequisite or Corequisite: MAT 124. Composition and resolution of forces, laws of equilibrium, Newton's laws of motion, work and energy, momentum, simple harmonic motion, hydrodynamics, heat phenomena Credit will not be awarded to students who have credit for PHY 131. 4 Lec/3 Lab. Gen. Ed. 14

202 University Physics II. (5) I, II. Prerequisite PHY 201 Electrostatics, electric potential, dielectrics, A.C. and D.C. circuits, magnetic fields, Faraday's Law, sound, wave motion, geometrical and physical optics. Credit will not be awarded to students who have credit for PHY 132 4 Lec/3 Lab.

221 Statics. (3) A. Prerequisite PHY 201. Corequisite: MAT 224 Study of force systems on bodies at rest, descriptions of force systems. distributed and internal forces, applications of hydrostatics, frames and trusses, beams

300 Modern Physics I. (3) I. Prerequisites PHY 132 or 202 and MAT 109 Physics of the 20th century Topics include special relativity, quantum effects, wave theory, Bohr theory, structure of the hydrogen atom.

301 Modern Physics II. (3) II. Prerequisite: PHY 300. A continuation of PHY 300. Topics include atomic and molecular structure, nuclear structure, nuclear reactions, elementary particles

303 Introduction to Laser Physics. (3) A. Prerequisites: PHY 132 or PHY 202 and instructor approval An introduction to the theory and application of different types of lasers such as dye, nitrogen, He/Ne, diode, and mercury vapor, the characteristics of laser light, and optical measuring devices. 2 Lec/2 lab.

306 Classical Physics Laboratory. (2) I. Prerequisites: PHY 132 or 202 and knowledge of a computer programming language. Experiments in mechanics, optics, and electricity Simulation of physical situations using a spreadsheet Techniques of interfacing scientific equipment to microcomputers 4 Lab.

307 Electronics. (4) A. Prerequisite PHY 132 or 202. Theory of solid state devices, power supplies, transducers, operational amplifiers, solid state switches, flip-flops, counters, digital devices, logic families. 3 Lec/3 Lab.

308 Atomic and Nuclear Laboratory. (2) II. Prerequisite: a computer language Corequisite PHY 301 Various experiments demonstrate types and effects of radiation, properties of atoms and nuclei, and experimental, computer, and analytical techniques. 4 Lab

315 Introductory Electrical Circuits. (4) A. Prerequisite. PHY 202. Prerequisite or Corequisite: MAT 224 Fundamental laws and principles for linear circuits whose elements consist of passive and active components used in present day practice Determination of the sinusoidal steady state responses using the algebra of complex numbers

349 Cooperative Study: Physics. (1-8) A. Work in placements related to academic studies. A minimum of 80 hours employment is required for each semester hour of academic credit. Total hours eight, associate, sixteen, baccalaureate Hours earned in PHY 349 will not apply toward a physics major or minor.

375 Thermodynamics. (3) A. Prerequisite PHY 202 Prerequisite or Corequisite MAT 224 Study of temperature, thermodynamic systems ideal gases First and second law of thermodynamics, Carnot cycle, Kelvin temperature scale, entropy.

502 Physical Optics. (3) A. Prerequisite PHY 202 Prerequisite or Corequisite. MAT 224 Wave motion, interference, Fraunhofer and Fresnel diffraction, electromagnetic radiation, dispersion. polarization, double refraction, lasers. holography

506 Physics for High School Teachers. (3) A. Credit given toward major or minor only in teaching programs Topics from general and modern physics to prepare teachers to teach high school physics and give classroom demonstrations 2 Lec/ 3 Lab

510 Special Problems in Physics: _____. (1-6) A. Prerequisites: PHY 202 and instructor approval Special laboratory experiments development of new equipment, or solution of special mathematical problems related to physics May be retaken to a maximum of six hours provided subject matter is different each time Student must have the independent study form approved by faculty supervisor and department chair prior to enrollment.

520 Electricity and Magnetism. (4) A. Prerequisites PHY 202 and MAT 225 Electrostatics in vacuum and dielectrics, solutions by Laplace s and Poisson's equations, magnetic fields, induced EMF's, magnetic materials, and Maxwell's equations

558 Classical Mechanics I. (3) A. Prerequisite PHY 202 Corequisite MAT 353. Applications of calculus to the principles of classical

mechanics. Topics include vectors, rectilinear motion in one dimension, motion in three dimensions, non-inertial reference systems, central forces, and celestial mechanics.

559 Classical Mechanics II. (3) A. Prerequisite: PHY 558. Continuation of PHY 558. Topics include many-bodied systems, rigid bodies, Lagrangian and Hamiltonian mechanics, coupled harmonic oscillators, wave motion.

570 Quantum Mechanics. (3) A. Prerequisite: PHY 558. Basic principles of wave mechanics, solutions of Schrodinger wave equation for simple systems, interpretation of solutions and application to atomic and molecular problems.

PLA—Planning
Dr. Wilma Walker, Chair
201 Roark

220 Planning for Livable Places. (3) A. Introduction to the history and practice of community and regional planning in the U.S. Topics include transportation, economic development, environmental and social issues, urban and landscape design, and citizen participation in local and regional decision-making.

300 Planning Topics: _____. (3) A. Designed to provide study in specific topics to include land use and environmental planning, human resource planning, and transportation planning. May be retaken to a maximum of nine hours if subject matter differs each time.

320 Environmental Land Use Planning. (3) A. Prerequisite: PLA 220 or junior level standing. Examines how principles of landscape ecology, resource conservation, and environmental impact analysis are incorporated into land use decisions and public policy. Emphasizes practical application at the site and regional scales.

349 Cooperative Study: Planning. (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for baccalaureate, 16. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward the major.

420 Land Use Decisions and Controls. (3) A. Prerequisite: PLA 220 or departmental approval. Examines social and economic influences on land values, and how zoning and other controls are used to balance public needs with private landowners' rights. Emphasizes legal framework governing the practice of community and regional planning.

495 Practicum. (3-6) A. Prerequisite: PLA major. Students will work under departmental supervision in governmental, corporate, or private enterprises which are engaged in planning. Determination of the number of hours will be made by the department, depending upon the range and depth of activities to be engaged in. May not be retaken.

498 Independent Study. (1-3) A. Prerequisite: departmental approval. Independent study topic in specific aspects of planning. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

521 Seminar in Planning: _____. (3) A. Prerequisite: departmental approval. In-depth study of urban or regional planning topics, such as growth management and land use. May be retaken to a maximum of six hours provided subject matter differs each time.

597 Special Studies in Planning. (1-3) A. Cross listed as GEO 597. Prerequisite: departmental approval. Directed work in planning. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. Credit will not be awarded to students who have credit for GEO 597.

(Other department courses may be found under GEO and TNT.)

POL—Political Science
Dr. Richard Vance, Chair
113 McCreary

Note: POL courses are grouped as follows according to the below listed middle digits of the course numbers. For example, POL 210 is a comparative government course.
0 Special topics
1 Comparative Government
2 International Relations
3 American (State & Local)
4 American Political Process
5 Theory
6 Judicial Process
7 Public Administration
8 Methodology
9 Practicums, Internships, and Independent Study

100 Principles of Politics and Government. (3) I, II. An introductory social science course focusing on the political and governmental aspects of societies. Does not count toward political science major requirements. Gen. Ed. 09.

101 Introduction to American Government. (3) I, II. Principles, functions, and basic political institutions of the American system of government at the national level. Gen. Ed. 12.

201 Short Topics in Political Science. (1-3) A. A maximum of three short topics offered during any semester. The student may take any or all topics. May be retaken to a maximum of six hours when topics vary. For those qualified high school students enrolled in the topic "A Kentucky Locality" the grade of "IP" may be given.

210 Political Development: Traditional and Transitional Societies. (3) I, II. Examination of traditional and transitional nations and regions, past and present; relation between political development and social, economic, and political institutions; development of national identity. Gen. Ed. 10.

211 Political Development: Modern Societies. (3) I, II. Politics and political change in modern, industrial societies. Democratic and authoritarian systems as ways of promoting and dealing with technological, economic, and social changes and their consequences. Gen. Ed. 11.

220 Problems of International Politics. (3) I, II. Cooperation and conflict in the relations among nations. Diplomacy, military force, and international organizations as instruments, with emphasis on the international behavior of the great powers. Gen. Ed. 12.

280 Research and Writing in Political Science. (3) A. Prerequisite: majors, minors, or instructor approval. Practical application of techniques and methods used in collection, analysis, and written presentation of political data.

300 Contemporary Political Problems. (3) I, II. Application of the skills of citizenship to problems of contemporary politics. Designed to increase the students' political awareness and ability to function politically in contemporary society. Gen. Ed. 12.

305 Computers and Society. (3) A. Cross listed as CSC 305 and SOC 305. The influence of computers on social and political processes. Software related to socio-political issues. Credit will not be awarded to students who have credit for CSC 305 or SOC 305.

310 Latin American Governments. (3) A. A study of the political institutions and issues facing the people and governments of Latin America.

312 Politics in China. (3) A. Analysis of political development, organizational structure, and operation of Chinese political systems with particular emphasis on Chinese Communism, foreign policies, and contemporary problems in China.

313 Politics in Japan and the Two Koreas. (3) A. Analysis of political development, organizational structures, and political systems of Japan, South Korea, and North Korea, with emphasis on their foreign policy behavior.

315 Politics of Western Democracies. (3) A. Prerequisite: three hours of POL or instructor approval. Examination of major characteristics, similarities and differences in the political systems of selected Western democracies.

316 Russia and the Former USSR. (3) A. Rise and fall of Communism, the Gorbachev revolution, and its aftermath in the Soviet Union and Russia; development of new government institutions, political parties, and civil society; nationalism and ethnic politics.

321 American Foreign Policy. (3) II. Prerequisite: three hours of POL or instructor approval. Analysis of the internal processes and external factors which affect U.S. foreign policy, with emphasis on the post-World War II period. Case studies in decision-making.

325 International Security Affairs. (3) I. Analysis of major problems of national/international security, the role of military power and arms control in the nuclear era, with emphasis on military-security policies of great powers.

327 International Law and Organization. (3) A. Prerequisite: three hours of POL or instructor approval. Analysis of the development of the U.N.; functional and regional approaches to peace, security, economic cooperation, social welfare, and law in international relations.

331 Urban Politics. (3) A. Political processes of urban areas including comparisons of alternative structures of urban and other local government.

332 Kentucky Government and Politics. (3) I, II. An overview of the Kentucky political system: major institutions, processes and political leaders, with emphasis on recent events and developments. Credit will not be awarded to students who have credit for POL 497B.

333 American State and Local Government. (3) A. Study of the institutions and processes of government of the fifty states and of cities and counties.

340 American Politics: Parties, Public Opinion, and Pressure Groups. (3) A. Prerequisite: POL 101 is recommended. Informal political institutions of American government, functions, organization, financing of political parties, public opinion, and pressure groups. Their relationship to democracy.

341 The Legislative Process: Congress and State Legislatures. (3) A. Prerequisite: POL 101 is recommended. A systematic examination of the decision-making process in Congress and state legislature.

342 The American Chief Executive: President and Governor. (3) A. Prerequisite: POL 101 is recommended. An examination of the power and functions of the offices of the President and governor. Recent developments affecting the American President will be emphasized.

345 Minority Group Politics. (3) A. Prerequisite: POL 101 is recommended. Examination and comparison of various theories, strategies, forms of participation, leadership styles, and concepts (e.g., Black Power) of minority group politics.

347 Politics and Religion in the U.S. (3) A. Interaction of government, politics, and religion in the U.S. Role of the Supreme Court and First Amendment in defining church-state separation and freedom of religion; religious organizations as pressure groups and agents of socialization; religion in electoral politics; religion and public schools.

349 Cooperative Study: Political Science. (1-8) A. Work in placements related to academic studies. One to eight hours credit per semester or

summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward this major.

357 American Political Thought. (3) A. Study of the political philosophy and values that have shaped the American political system Emphasis given to problems in democratic theory and to competing ideologies within the American political system.

360 Judicial Process. (3) A. Study of legal and judicial systems in the United States and their role in the American political process.

370 Introduction to Public Administration. (3) A. Prerequisite: POL 101 or 333. Survey of organization, authority, decision-making, intra-organization communications, and application of principles of the American bureaucracy by case studies.

371 Administration of Social Services and Agencies. (3) A. Prerequisite: three hours of POL or social work; or instructor approval. Examination of the political and administrative problems in public and not-for-profit agencies and a survey of management tools available to those responsible for the delivery of social services.

374 Introduction to Public Policy. (3) A. Prerequisite: POL 101 or 333. Introduction to the role of federal, state, and local governments in the formulation, implementation, and evaluation of public policies. Examples of policy decisions which might be covered include, energy, housing, environmental quality, and social services.

376 Public Personnel Policy. (3) A. Overview of institutions, policies, and practices for utilization of human resources in government Analysis of contemporary issues. Civil Service systems, public unionism, affirmative action, pubic sector efficiency.

377 Public Budgeting. (3) A. The political consideration of budget formulation, budget strategy, and budget execution. An analysis of the role of taxes, spending, program evaluation, and planning in the budgeting process at the federal, state, and local levels.

405 Special Topics in Political Science. (3) A. Exploration of a particular topic; theorist, institution, process, policy, writings, or their combinations Prerequisites set by the department May be retaken to a maximum of six hours provided subject matter is different each time.

410 Studies in Comparative Government and Politics. (3) A. Prerequisite: six hours of POL. Study of selected country, region, or a cross-national study of a political institution (e.g Executives, Political Parties, Legislatures). May be retaken to a maximum of nine hours provided the subject matter differs each time.

417 Ex-Communist States in Transition. (3) A. Revolutions and ongoing changes in selected former Communist states of east/central and south/central Europe and Eurasia; new political and governmental institutions; ethnic politics; shifting alliances and enmities, forms of cooperation, and regional groupings.

440 Voting Behavior. (3) A. Prerequisite POL 101 is recommended Survey of recent literature in the field of voting behavior in the U S. Topics include public opinion, polling, participation, and campaign behavior. Attention paid to methodologies and techniques.

446 Women and Politics in the U.S. (3) A. Evolving political role of American women as voters, activitists, and officeholders, legal status of women; conservative and liberal women's issues and interest groups, political socialization of women.

460 Law and Society. (3) A. Sources, nature, function, and limits of law as an instrument of social and political control and direction. Examples taken from property, torts, contracts, criminal law, and selected areas of public policy.

463 Constitutional Politics. (3) A. An examination of constitutional problems in American government. Emphasis is given to cases in their legal and political context

464 Law and Politics of Civil Liberties. (3) A. An examination of historic and contemporary problems of civil liberties. Emphasis is given to cases in their legal and political context.

490 Independent Work in Political Science. (1-3) A. Individual research and/or reading on a problem or area in political science. Regular reports and final research paper required. May be retaken to a maximum of six hours. Students must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment

495 Practicum in Political Science. (1-3) A. Supervised field study program. May be retaken to a maximum of six hours, provided subject matter differs each time. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

495A Practicum in American Political Process. (1-3) A.

495B Practicum in Comparative Politics and International Relations. (1-3) A.

496A Washington Internship. (6-12) A. Prerequisite: junior or senior standing with 2.5 GPA Supervised internship with government or private agencies in Washington, D.C. Open by application to those students who fulfill the prerequisite.

496B Washington Seminar. (3) A. Corequisite POL 496A. Seminar on selected topics in national government.

497 Kentucky Administrative Intern Program. (18) A. Prerequisite: junior or senior standing with a cumulative GPA of 2.6 or better (on a 4.0 scale). Enrollment is by invitation only and limited to a maximum of 18 hours.

497A Internship in State Government. (3-9) A. Each intern's performance in his or her job is evaluated by the agency supervisor in consultation with the intern's campus coordinator or the student's advisor in the department granting credit for the internship. May be retaken to a maximum of nine hours.

497B Selected Topics in Administration of Kentucky State Government. (3-12) A. Seminar on various topics on the administration of Kentucky state government which support and constitute an essential part of the Kentucky Administrative Intern Program. May be retaken to a maximum of 12 hours provided the topics vary. Credit will not be awarded to students who have credit for POL 332

498 Kentucky Legislative Internship Program. (15) A. Prerequisites: junior or senior standing with a cumulative GPA of 2.8 or better (on a 4.0 scale) and a definite interest in the legislative process in the Commonwealth. Enrollment is by invitation only and limited to a maximum of 15 hours.

498A Legislative Internship. (3-9) A. Each intern's performance in his or her legislative assignment will be evaluated by the immediate supervisor in consultation with the campus coordinator. May be retaken to a maximum of nine hours.

498B Selected Topics in Kentucky Legislative Process. (3-9) A. Seminar on various topics on the legislative process in the Commonwealth which support and constitute an essential part of the Kentucky Legislative Internship Program. May be retaken to a maximum of nine hours.

517 Politics and Social Change. (3) A. Comparative study of politics in present and past societies to consider the relationship between politics, political change and the broader social change. Emphasis on political phenomena especially suited to comparative study

521 Contemporary International Relations. (3) A. Systematic analysis of major contemporary theories and approaches to the study of international politics and foreign policy.

525 Workshop in International Affairs. (3) SUMMER ONLY. Explores major problems in international affairs. Covers various areas of the world with reference to significant factors and problems of the people. Designed primarily for secondary teachers in the social science field

533 Seminar In State and Local Politics. (3) A. Prerequisite POL 101 or Instructor approval. An analysis of the institutions, policies, and administration of American state and local government.

541 Politics and Education. (3) A. An examination of the way political decisions and policies are made in the field of education. Special attention is given to educational decision makers and political power at the local level.

551 Classical and Medieval Political Theory. (3) A. Formerly POL 557/558/559. Cross-listed as PHI 551. Examination of Western political thought from Plato to Aquinas. Credit will not be awarded to students who have credit for PHI 551.

552 Modern Political Theory. (3) A. Formerly POL 557/558/559 Cross-listed as PHI 552. Examination of Western political theory from the Renaissance to the mid-twentieth century Credit will not be awarded to students who have credit for PHI 552.

553 Contemporary Political Theory. (3) A. Cross-listed as PHI 553 Examination of Western political thought from the mid-twentieth century to the present. Credit will not be awarded to students who have credit for PHI 553.

565 Administrative Law. (3) A. Prerequisite instructor approval. Nature of the powers vested in administrative agencies; the problems of administrative procedure; and the methods and extent of judicial control over administrative action

POR—Portuguese
Dr. Anne Brooks, Chair
368 Case Annex

501 Accelerated Elementary Portuguese I. (3) A. Prerequisites: upper division standing and 202 level or equivalent of another foreign language Fundamentals of the Portuguese language taught in a cultural context. Gen. Ed 03, 04, 07, or 08.

502 Accelerated Elementary Portuguese II. (3) A. Prerequisite POR 501 or equivalent proficiency in Portuguese. Composition, conversation, and reading in Luso-Brazilian studies Gen. Ed 03, 04, 07 or 08.

595 Independent Work in Portuguese. (1-3) A. Prerequisites POR 501 or equivalent and departmental approval. Independent study in either language or literature on a subject of special need or interest to the advanced student. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

PSY—Psychology
Dr. Robert Adams, Chair
102 Cammack

201 Psychology as a Natural Science. (3) I, II. Introduction to the basic concepts of psychology closely related to the natural sciences, such as basic methodology, psychophysiology, sensation, perception, consciousness, learning, memory, cognitive processes, motivation, and emotion.

202 Psychology as a Social Science. (3) I, II. Introduction to concepts of psychology related to the social sciences, such as human development, learning, individual differences, personality

development, adjustment, abnormal behavior, psychotherapy, social psychology, and applied psychology.

280 Life Span Developmental Psychology. (3) I, II. Prerequisite: PSY 201 or 202; or instructor approval. A survey of theory and research in developmental psychology across the entire life span. Credit will not be awarded to students who have credit for PSY 312, or 314.

291 Psychology: Statistical-Experimental I. (4) I, II. Prerequisite: MAT 105 or 106, with a grade of "C" or better; or any math course above 106 Introduction to techniques and problems of the experimental method and statistical analysis in psychology Representative experiments and data analysis. Credit will not be awarded to students who have credit for HEA 450 or STA 208 or STA 215 or STA 270, QMB 200 or QMB 300.

300 Social Psychology. (3) A. Prerequisite. PSY 201 or 202; or instructor approval. Continuation of PSY 291. Credit will not be awarded to students who have credit for ECO 220, STA 271 or 500, COR or CRJ 400.

301 Psychology: Statistical-Experimental II. (3) A. Prerequisite: PSY 291. Continuation of PSY 291. Credit will not be awarded to students who have credit for ECO 220, STA 271 or STA 500, or CRJ 400.

302 Tests and Measurements. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Principles of measurement with application to informal and standardized tests used in education, business, industry, and government. Problems of administration, scoring, and appraisal are considered. Credit will not be awarded to students who have credit for EPY 412.

305 Psychology of Personality. (3) A. Prerequisite: PSY 201 or 202, or instructor approval. Basic approaches to the study of personality Theory and fact upon which these approaches are related to various kinds of behavior patterns

308 Abnormal Psychology. (3) A. Prerequisite PSY 201 or 202; or instructor approval. Descriptive study of the nature, course, classification and prevalence of abnormal behavior, with attention to intellectual, personality, cognitive, sensory and motor functions

311 Physiological Psychology. (3) A. Prerequisite PSY 201 or equivalent; or instructor approval Facts, concepts, and principles regarding physiological events that underlie behavior Attention to contemporary research methods and problems undergoing study

312 Infant and Child Development. (3) A. Prerequisite PSY 201 or 202; or instructor approval Theoretical and empirical approaches to the development of the infant and child with attention to perceptual, behavioral, social, and cognitive development and the capacity for learning Credit will not be awarded to students who have credit for PSY 280.

313 Learning. (3) A. Prerequisite. PSY 201 or 291; or instructor approval Experimental study of learning, transfer and retention processes with an analysis of various kinds of learning

314 Adolescent and Adult Development. (3) A. Prerequisite: PSY 201 or 202, or instructor approval Survey of biological, psychological, social, cognitive, and historical influences on adolescent and adult development. Credit will not be awarded to students who have credit for PSY 280.

315 Sensation and Perception. (3) A. Prerequisite: PSY 201 or equivalent, or instructor approval Experimental study of sensation and perception, the sensory and cognitive processes by which we come to know our world.

315L Sensation and Perception with Lab. (4) A. Prerequisite: PSY 201 or equivalent; or instructor approval. Experimental study of sensation and perception, the sensory and cognitive processes by which we come to know our world. 3 Lec/2 Lab.

316 Aging and Senescence. (3) A. Prerequisite: PSY 201 or 202 or instructor approval. Theory and facts about aging changes in sensory processes, intellect, memory, personality, family and psychopathology.

317 Cognitive Psychology. (3) A. Prerequisite: PSY 201 or equivalent, or instructor approval. Theoretical and empirical approaches to human cognition. Topics include knowledge acquisition and organization, memory, language, problem solving, and thinking skills

317L Cognitive Psychology with Lab. (4) A. Prerequisite PSY 201 or equivalent; or instructor approval Theoretical and empirical approaches to human cognition. Topics include knowledge acquisition and organization, memory, language, problem solving, and thinking skills. 3 Lec/2 Lab.

319 Industrial/Organizational Psychology. (3) A. Prerequisite. PSY 201 or 202; or instructor approval. Principles of psychology as applied to industry, business, and organizations. Course will focus on the individual employee, the job, the organization, and the work environment.

349 Cooperative Study: Psychology. (1-8) A. Prerequisites: 15 hours in PSY and departmental approval. Work in placements related to academic studies One to eight hours credit per semester or summer. Total hours: sixteen. A minimum of 80 hours employment required for each semester hour credit A maximum of two hours may be applied toward the major, not applicable toward a minor. Graded Pass-Fail.

355 Affection and Aggression. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Theoretical and research perspectives on the topics of attachment, bonding, liking, love and sexuality Also an exploration of the theories and empirical findings in the domains of aggression and violence.

358 Beyond the Undergraduate Degree. (0) A. Prerequisite: 12 hours of psychology and GPA of 3 4 or instructor approval. Designed to aid qualified psychology majors to identify and attain professional career goals, especially through graduate program. Graded Pass/Fail.

379 History and Systems of Psychology. (3) A. Prerequisite: nine hours of PSY including PSY 202 or equivalent. A survey of the history of psychology and its various schools of thought and approaches to the study of behavior and mental processes

397 Topics in Psychology: _____. (3) A. Prerequisite. to be announced Selected topics for study. Variable topics across semesters in terms of student interest and available faculty. May be retaken, provided the subject matter differs each time

401 Senior Thesis. (3) I, II. Prerequisite: PSY 301 or instructor approval. Design, execution, and writing of a supervised independent research project.

404 Environmental Psychology. (3) I, II. Prerequisite: PSY 300 or instructor approval. Study of ways in which people are influenced by their physical and social environments. Issues covered include lighting, noise, temperature, privacy, crowding, and way-finding

405 Psychological Interviewing and Reporting. (3) A. Prerequisite: 12 hours in PSY or instructor approval. Principles and techniques of interviewing and case reporting, with emphasis on applications in human services and personnel work.

406 Introduction to Behavior Therapy. (3) A. Prerequisite 12 hours of PSY or instructor approval. Principles and techniques of applying behavioral principles in the analysis of complex human behavior. Emphasis is placed on methods of observing behavior and analyzing functional relationships between behavior and environment.

407 Problems in Psychology. (1-3) I, II. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. Results must be presented in a formal paper. May be retaken to a maximum of six hours provided different problems are studied.

410 Health Psychology. (3) I, II. Prerequisite: PSY 202; or instructor approval. Theoretical and research perspectives on the relationship between psychological factors and health. Emphasis on utilizing psychological principles and methodology to understand and change illness and health behaviors.

420 The Psychology of Women (3) A. Prerequisite: PSY 202 or instructor approval. Psychological theory and research about important facets of girls' and women's lives from birth through old age.

444 Men and Masculinity. (3) A. Prerequisite: PSY 201 or 202; or instructor approval. Examination of masculinity from a variety of psychological viewpoints and application to issues and dilemmas of contemporary males

490 Clinical Psychology. (3) A. Prerequisite: PSY 201 or 202; or instructor approval Survey of clinical theories, methods, and approaches.

597 Advanced Topics in Psychology: _____. (3) A. Prerequisites: PSY 201 or 202 and instructor approval. Selected topics for advanced study. Topics vary across semesters depending on student interest and available faculty. May be retaken, provided the subject matter differs each time.

PUB—Public Relations
Dr. Ron Wolfe, Chair
109 Alumni Coliseum

349 Cooperative Study: Public Relations. (1-8) A. Prerequisites: junior standing, "B" average in all courses within the department, and departmental approval. Work under faculty and field supervisors in cooperative placements related to the student's academic studies. One to eight hours credit per semester or summer. Total credit hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours work required for each academic credit May not satisfy major requirements within the department

375 Public Relations Principles. (3) I, II. Survey of business, industrial, educational, social, and governmental principles and practices in disseminating internal and external information

378 Public Relations Practicum. (1-3) I, II. Prerequisite: PUB 375. Supervised practical experience in a public relations operation. May be taken to a maximum of three hours.

380 Public Relations Writing. (3) I, II. Prerequisites: COM 201, PUB 375, and COM 301 or BEM 375. Practice in public relations planning and writing for publications, news releases and other mass media materials for the public and special interest groups, including institutions, governments, and other organizations Also includes writing in business formats

475 Advanced Public Relations. (3) A. Prerequisites: COM 320 and PUB 380. Emphasizes a management approach and application of the four-step PR process to solving public relations problems through planning, design, and production of print, audiovisual, and broadcast materials used in public relations. Includes public relations case studies and problems.

490 Public Relations Campaigns. (3) A. Prerequisites: COM 320 and PUB 475 Application of research, planning, strategies, and evaluations to a public relations campaign. Includes budgeting and scheduling of campaigns.

530 Sports Information Programs. (3) A. Study of the role and function of the sports information director. Includes public relations techniques applied to sports information; press

releases, publications programs, office and staff organization, time utilizations, news media and formats.

QMB-- Quantitative Methods
Dr. Jessica Frazier, Interim Chair
219 Combs

200 Business Statistical I. (3) I, II. Prerequisite: MAT 107. Business applications of probability, measures of central tendency, dispersion, sampling, correlation and hypothesis testing. Credit will not be awarded for students who have credit for CRJ 400 or ECO 220 or EPY 842 or HEA 450 or PSY 301 or STA 208 or STA 215 or STA 270.

300 Business Statistics II. (3) I, II. Prerequisites: QMB 200. Moments of linear transformations of random variables, linear and nonlinear regression with applications in estimation of cost functions, financial relations and business forecasting. Credit will not be awarded to students who have credit for ECO 854 or EPY 843 or PSY 301 or STA 271 or STA 500 or ECO 320.

REC—Recreation and Park Administration
Dr. Larry K. Belknap, Chair
403 Begley

101 Leisure Services Careers. (1) I, II. Introduction to the broad scope of careers and employment in recreation, parks, and leisure services organizations.

102 Introduction to Recreation Leadership. (3) I, II. Techniques of leadership in working with individuals in groups in various settings. Methods of organization, guidance, and supervision of program activities.

163 Fieldwork I. (1) I, II. On-site observation and assistance within a recreation, park or leisure services agency. Observe and assist with recreation activities, programs and special events.

225 Education for Leisure and Recreative Living. (3) I, II. Comprehensive study of recreation services and leisure education, emphasis on leisure time skills, hobbies, avocations, and lifetime recreation; utilization of constructive leisure from youth to senior adults including the disabled person.

263 Fieldwork II. (2) A. Prerequisite: REC 163. On-site practical experience in a recreation, park, or leisure services agency. Organize and lead recreation programs.

300 Recreation and Leisure Foundations. (3) I, II. Definitions and theories of play/recreation/leisure; legal and philosophical foundations, impact of leisure on the quality of life; professional roles in the provision of recreation services.

309 Recreation Services Assessment. (3) II. Assessment of recreation needs, interests, and agency effectiveness. Evaluation activities, and research and computer applications as related to recreation services.

310 Leisure Delivery Systems. (3) II. Opportunity to analyze leisure service delivery systems. In-depth look at program services of public, private, quasipublic, and commercial agencies.

311 Introduction to Therapeutic Recreation. (3) A. An introductory course focusing on the disabled population, hard to reach youth, and incarcerated individuals. Modification of program activities, uses of community resources, habilitation and rehabilitation processes, resources and financing.

325 Camp Supervision. (3) II. Formerly REC 521. Supervision of camp programs, auxiliary services, and personnel.

349 Cooperative Study in Recreation and Park Administration. (1-8) A. Prerequisite: department chair approval. Agency supervised fieldwork course. Minimum of 80 clock hours for each academic credit. Students must register with the Cooperative Education Office.

350 Supervision of Recreation Personnel. (3) I. Analysis of skills and techniques utilized in effective supervision of park, recreation, and leisure service personnel.

401 Management of Recreation Services. (3) I. Formerly REC 501. Management concepts and processes, organizational structure, policies, personnel, budget, and fiscal management, marketing and public relations, legal issues, and risk management.

406 Planning, Design, and Maintenance of Recreation Facilities. (3) II. Planning principles and procedures of recreation and park areas. Facilities, design problems, details of structure and equipment, master planning methods, study of standards and trends.

409 Independent Study. (1-3) A. Prerequisites: for majors and minors only. Independent study of special topics through directed readings and research. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of three hours.

411 Therapeutic Recreation Services for the Senior Adult. (3) I. Leisure problems, needs, assessments and etiology of the aging population. Basic terminology, organizations, programming, trends, resources, and facilities. Introduction to geriatrics.

450 Senior Seminar. (3) I, II. Prerequisites: for majors only; enroll the semester immediately preceding REC 463. Introduction to the senior practicum and professional requirements. Study of trends in recreation practices. Development of a professional philosophy.

460 Advanced Leadership and Programming. (3) I, II. Prerequisite: REC 102. Comprehensive course in recreation program planning, development, and leadership techniques with individuals and groups. Students plan a seasonal program. 2 Lec/2 Lab.

463 Practicum. (8) A. Prerequisites: 2.0 GPA, REC core and REC option courses. Placement in a recreation agency to lead and develop recreation programs, supervise personnel and facilities, and perform administrative duties. A minimum of 480 clock hours typically covering 10-12 weeks.

511 Therapeutic Recreation Practices and Services. (3) II. Interventions and utilization of terminology. Apply leadership skills, assistive technology, and programming applications. 2 Lec/ 2 Lab.

512 Management of Therapeutic Recreation Services. (3) I. Prerequisite: for majors only. Management concepts applied to delivering therapeutic recreation services, and includes: documentation, activity analysis, assessment, liability, legislation, and standards of practice.

516 Teaching/Learning Out-of-Doors. (3) I. The out-of-doors is explored for learning possibilities across the curriculum using a variety of environmental education materials. Focus on learning style differences, and independent and cooperative problem-solving experiences.

530 Park Management. (3) II. Park purposes and operations with an emphasis on natural resources and visitor management. Concentration on design, resource conservation and preservation, public relations, and park policies.

590 Special Topics: _____. (1-3) A. Identification and study of specialized techniques in recreation leadership, activity skills, operational methods, and services. May be retaken under different workshop title.

REL—Religion
Dr. James Robert Miller, Chair
268 Case Annex

282A,B,C Short Topics in Religion. (1 each) A. One or two or three distinct short topics offered sequentially during one semester. The student may take any or all of the topics, and the course may be retaken to a maximum of six hours if each topic is different.

301 World Religions. (3) I, II. Study of the basic notions found in the world's great religions. Attention is given to the historical context of the development of these religions and to the doctrines, rituals and literature produced by them. Gen. Ed 07.

305 Survey of the Old Testament. (3) I. A survey of the history and religious development of the ancient Hebrews, with attention given to the religious concepts and values of the literature of the Old Testament.

306 Survey of the New Testament. (3) II. A study of the history of the New Testament times and an examination of the meanings and significance of the teachings of Jesus and the writings of the early Church.

315 History of Christian Thought. (3) A. A survey of Christian theology, philosophical theology, and spirituality from the Apostolic Fathers through the early Reformation period.

335 Islam. (3) A. A study of the origins and religious development of Islam by an examination of the Koran and the writings of some major Islamic thinkers.

340 Religions of India. (3) A. Study of the major religions of India including the Vedic Period, classical systems, Epic Period, heterodox systems, orthodox systems, and contemporary thought.

345 Religions of China and Japan. (3) A. Study of the major religions of China and Japan, including original Han, Confucianism, Cho Schools, Neo-Taoism, Shinto, and Chinese and Japanese Buddhism.

349 Cooperative Study: Religion. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

355 Religions of Africa. (3) A. A study of traditional African religions and other religions in Africa.

370 Special Topics in Religion. (3) A. Prerequisite: instructor approval. Intensive study of a selected topic or an important figure in religion. May be retaken to a maximum of six hours if the topic is different.

495 Independent Work in Religion. (3) I, II. Prerequisite: instructor approval. Individual study under the direction of an instructor on a special topic in religion. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours if topic is different.

RST—Real Estate
Dr. Jessica Frazier, Interim Chair
319 Combs

110 Fundamentals of Real Estate for the Consumer. (3) I. Introduction to the elements of real property ownership, law, and leasehold interests. Will not apply toward real estate major requirements.

130 Financing Real Estate for the Consumer. (3) II. Methods of financing the personal acquisition of real property: conventional mortgages, FHA and VA loans, and contemporary creative financing methods. Investment and shelter techniques in the purchase of investment property. Will not apply toward real estate major.

240 Fundamentals of Real Estate Appraisal. (3) A. Prerequisites: RST 110 and 130; real estate licensure; or instructor approval. Principles and techniques of real property valuation, with special emphasis on residential (1-4 family) properties. Will not apply toward real estate major requirements.

245 Applied Residential Appraisal. (3) A. Prerequisite: RST 240 or 340. Applied residential property focusing on applications through examples and a continuing case study; Uniform Standards of Appraisal Practice (USPAP). May be chosen as a Real Estate elective by Real Estate majors.

310 Real Estate Principles. (3) I, II. Procedures involved in ownership and transfer of real property, laws governing real estate transactions.

320 Real Estate Law. (3) I. Business person's point view of real estate instruments, property rights and liabilities, estates, and interest and liens.

325 Computer Applications in Real Estate. (3) II. Prerequisite: RST 310 or 320. Computer applications in the real estate business. Construction and use of spreadsheet and data base programs in the analysis of real estate finance and feasibility studies.

330 Real Estate Finance. (3) I. Prerequisites: RST 310 and FIN 300; or instructor approval. Sources of funds for financing real estate transactions; financial instruments that are used and problems encountered in financing real property.

349 Cooperative Study in Real Estate. (1-3) A. Prerequisites: junior, minimum 2.25 GPA, and BBA majors only. Co-curricular work experience under the direction of faculty and field supervisors. Training plan required. May be retaken to a maximum of six hours. Minimum 80 hours experience per credit hour. May not count toward major.

401 Appraisal of Real Property. (3) II. Prerequisites: RST 310, 325, and 330, or instructor approval. Fundamentals of appraising real property; approaches to determining value; factors that contribute to the value of real estate.

410 Income Property Valuation / Investment. (3) A. Prerequisites: senior standing plus 15 hours RST including RST 401. Real Estate income property cash flow statements and valuation, investment analysis and decisions; and Uniform Standards of Professional Appraisal Practice.

450 Seminar in Real Estate. (1-3) A. Selected topics of special contemporary interest to business students. May be retaken under different subtitles to a maximum of six hours.

490 Special Problems in Real Estate. (1-3) A. Prerequisite: advisor/departmental approval. May be retaken under different sub-topics to a maximum of six hours. Independent work, special workshop, special topics, or seminars. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

RUS—Russian
Dr. Anne Brooks, Chair
368 Case Annex

101 Conversational Russian I. (3) I, II. The basic structure and grammar of Russian taught in a cultural context with an emphasis on pronunciation and conversation. Gen. Ed. 03 or 04.

102 Conversational Russian II. (3) A. Prerequisite: RUS 101 or equivalent proficiency. Continuation of RUS 101. Gen. Ed. 03 or 04.

201 Intermediate Russian I. (3) A. Prerequisite: RUS 102 or equivalent proficiency. Continuation of RUS 102. Gen. Ed. 03, 04, 07, or 08.

202 Intermediate Russian II. (3) A. Prerequisite: RUS 201 or equivalent proficiency. Grammar and structure review through a balanced use of the four basic skills: reading, speaking, writing, and aural comprehension. Gen. Ed. 03, 04, 07, or 08.

495 Independent Work in Russian. (1-3) A. Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment.

SCI—Science
TBA, Chair
337 Moore

310 History of Science. (3) I, II. The development of scientific concepts through the ages; contribution of science to civilization, philosophy of science; biographical sketches. Gen. Ed. 15 or 16.

SED—Special Education
Dr. Martin Diebold, Chair
245 Wallace

090 Speech-Language Laboratory. (3) I, II. Clinical approach to communication problem(s). Instruction in proper use of speech mechanism. Individualized remediation of articulation, fluency, language, and/or voice problems. Concurrent enrollment in Speech-Language-Hearing Clinic may be required. Institutional credit; cannot be used toward graduation.

104 Special Education Introduction. (3) I, II, A. Complete overview of major categories of exceptionalities and special education. Observations of special education services. Open to non-majors.

115 Heritage and Culture of the Deaf. (3) A. Overview of the psychological, sociological, and cultural impacts of deafness upon children and adults. Explores how deafness can affect the individual's development in language, communication, cognition, and psychological-social-emotional growth. Examines historic relations between deaf and hearing, and compares deaf culture with that of the hearing world.

207 Topics in Special Education. (1-3) A. Prerequisite: Advisor/departmental approval. Work related to current issues and topics in special education, special workshops, special seminars. May be retaken with a maximum of nine hours.

230 Sign to Voice: Theory. (3) I. Prerequisites: SED 125 and 201; or instructor approval. Terminology, procedures, and ethical/professional considerations relevant to sign-to-voice interpreting. Code of Ethics, structuring of interpreting environment, communication modes, education and evaluation of interpreters and trends.

240 Communication Skills for Hearing Impaired. (3) I. Prerequisite: SED 104 or instructor approval. Basic principles of manual communication and fingerspelling. Builds an expressive and receptive vocabulary of a least 1,000 signs to enable communication with individuals who use total communication.

250 Phonetics. (3) I. Prerequisite: Admission to CD program. Study of the articulatory postures and movements used to produce standard English and defective sounds. Introduction of the International Phonetic Alphabet and practice in using it to transcribe both normal and defective speech.

260 Language and Speech Disorders of Exceptional Children. (3) I, II. Prerequisite: SED 104 or instructor approval. Acquisition of normal language and speech in our multi-cultural society. Identification and educational management of language and speech disorders in exceptional children.

273 Pre-practicum in Speech Pathology A. (1) I. Prerequisite: Admission to CD program. Techniques of observation, report-writing, and supervised clinical observation of therapeutic or diagnostic services with communication-disordered individuals. Students must complete at least 25 clock hours by end of this semester.

275 Communication Disorders: A Survey. (3) I. Introduction to the nature and causes of speech, language, and hearing disorders. An overview of the field of communication disorders.

285 Anatomy and Physiology of Speech and Hearing Mechanism. (3) I. Prerequisite: Admission to CD program. Introduction to the anatomical and physiological bases of hearing, respiration, phonation, resonation, and articulation.

290 Sign-to-Voice Transliterating. (3) A. Prerequisite: SED 270 or instructor approval. Training and study in sign-to-voice transliterating in educational and community situations. Voicing in consecutive and simultaneous modes; analysis of signed English systems.

304 Assistive/Adaptive Technology. (3) I, A. Prerequisites: SED 104, and CSC 104 or CIS 212 or demonstrate proficiency through testing. Classroom use and modification of microcomputer-based technology and assistive/adaptive devices. Integration of assistive technology into assessments, IEPs, lesson plans, education activities, and daily routines. Educational applications of telecommunications and hypermedia. (2 Lab.)

337 Education of the Deaf and Hard of Hearing. (3) A. Prerequisite: SED 104 or instructor approval. Study of personality, intellectual, and emotional development of the deaf and hard of hearing. Emphasis on social maturity, motor functioning, multiple disabilities and the significant history of educational programs at all levels.

338 Language of the Deaf and Hard of Hearing. (3) A. Prerequisite: SED 260 or instructor approval. Receptive and expressive conversational language development from a developmental perspective. Concepts in bilingual education applied to deaf students. Materials and methods in assessing and facilitating receptive and expressive conversational language in informal and formal settings.

341 Behavior Management. (3) I, II. Techniques of behavioral management of exceptional students in educational settings. Applied behavior analysis data collection, intervention, and reporting. Practical procedures for teaching new behaviors. Open to non-majors.

349 Cooperative Education. (1-8) A. Elective credit offered through work experiences for students seeking teacher certification. Minimum of 80 hours work required for one credit hour. Maximum hours to be earned: six in summer, eight during semester, sixteen in bachelor's program.

351 Special Educational Assessment. (3) I, II. Prerequisites: SED 104 and 260; or instructor approval. Principles and application of educational assessment of learning and behavior disordered students. Educational interpretation of assessment outcomes.

352 Special Education Early Childhood Assessment (3) II. Prerequisites: SED 104, 260 or 360. Formal and informal procedures for screening and assessing young children (0-5) with disabilities or at-risk conditions in physical, communication, cognitive, psychosocial and self-help areas.

353 Functional Assessment and Instructional Planning for Moderate and Severe Disabilities (3) A. Prerequisite: SED 104. Assessment for student centered planning and instruction. Transdisciplinary, developmental, functional, ecological, and performance-based assessment. Use of assessment data to develop IEPs, instructional programs, lesson plans, portfolios, and daily activities.

356 Special Education Methods and Materials. (3) I, II. Prerequisites: introductory and assessment courses. Curriculum for exceptional individuals; instructional principles and methodology;

development, implementation, and evaluation of validated educational programs and materials.

360 Normal Speech and Language Development. (3) II. Normal speech and language acquisition from birth through the developmental years; basic linguistic concepts and theories; language differences.

365 Language Disorders: Assessment. (3) I. Prerequisites: SED 275, 360, or instructor approval. Methods of assessing language content/form/use. Assessment techniques will include standardized tests, language sampling and analysis, and observational techniques and scales.

372 Methods and Materials in Communication Disorders. (3) II. Prerequisites SED 250 and 275. Overview of assessment and therapy methods for planning remediation services, management of therapy sessions, clinical policies and procedures, Code of Ethics, precautions for infectious disease control; development of therapy materials and oral mechanism examination kit.

373 Speech Pathology: Articulation. (3) II. Prerequisites: SED 250 and 275. Characteristics and principles of diagnosis and treatment of articulation problems

374 Practicum in Speech Pathology. (3) I, II. Prerequisites: 25 hours of observation in communication disorders, SED 372 and 373, and overall 2.8 GPA, or instructor approval. Supervised clinical practice in communication disorders. May be retaken to a maximum of six hours.

375 Practicum in Special Education. (3-6) I, II. Prerequisite: departmental approval. Corequisite: SED 434, 435, or 436. A supervised practicum. Educational/developmental assessment, applied behavior analysis, IEP/IFSP. May be retaken to a maximum of nine hours credit for non-teaching majors.

380 Introduction to Clinical Audiology. (3) I, II. Prerequisite. Admission to CD program for CD students, CD admission policy does not apply to DHH students. Physics of sound, anatomy, physiology, pathologies of the auditory system, medical treatment. Introduction to basic audiological testing (pure-tone and speech).

388 Career Education and Transition (3) I, II. Prerequisite: SED 104. Planning, coordinating, and implementing education and services, at all age levels, to meet career needs in vocational, personal, social, community, and family life domains. Transitioning between preschool, school, and adulthood. ITPS and IEPs.

401 Exceptional Learners in Inclusive Classrooms. (3) I, II. Prerequisites: Admission to teacher education, EPY 319, ELE/EMG 445. Corequisites: ELE/EMG content methods course(s) or ESE 498. Principles for teaching and accommodating exceptional learners in educational settings. Instructional modifications and management across content areas. Collaboration to address exceptionalities/diversities. 10 field/clinical hours in special education and inclusive settings.

434 Prescriptive Programming for Learning and Behavior Disordered Children. (3) I, II. Prerequisites: SED 351 and 356; or instructor approval. Recommend Corequisite SED 375. Curriculum design, analysis, and application of instructional materials for learning and behavior disordered students. Design, implementation, and evaluation of individualized educational programs.

435 Systematic Instruction for Moderate and Severe Disabilities. (3) A. Prerequisites: SED 304, 341, 353; Systematic instructional techniques, functional activity-based programming and community-based instruction. Ongoing evaluation and modification of student instruction. Methods and materials for implementing best practices across domains settings.

436 Early Childhood Intervention Programming. (3) I. Prerequisites: SED 352 and 341. Corequisite: SED 375 for IECE majors with emphasis in Special Education Early Childhood (SEEC). Developmental, family-focused intervention methods, materials and programs for young children (0-5) at-risk for or with disabilities. Curriculum design across physical, communication, cognitive, psychosocial and self-help areas. Planning, implementing, monitoring and evaluating IEP's/IFSP's.

438 Special Education Instructional Programs. (3) I, II. Working with parents of exceptional children. Roles and procedures of the special education teacher in resource room programs, self-contained classrooms, and itinerant settings. Special education planning, scheduling, program evaluation, and program development

464 Language Disorders: Intervention. (3) II. Prerequisites: SED 360 and 365. Study of language impairment in children and principles for remediation.

465 Disorders of Fluency. (3) I. Prerequisite: SED 275. Lectures and selected readings in the theoretical, etiological, and developmental views of assessment and management of stuttering problems in children.

474 Advanced Practicum in Speech Pathology. (2) I, II. Prerequisites: Overall 2.8 GPA and SED 374, or instructor approval. Advanced supervised clinical practice in communication disorders. May be retaken to a maximum of four hours

475 Disorders of Phonation. (3) II. Prerequisites: SED 275 and 285. Lectures and selected readings in etiological perspectives of functional and organic voices disorders, assessment, classification, and treatment designs for vocal pathologies in children

485 Audiologic Evaluation. (3) II. Prerequisite: SED 380. Principles of testing in pure-tone, immittance, speech threshold, sound discrimination, and masking. Techniques for interviewing, interpretation of results, and report writing. Procedures for calibration of audiometers.

486 Audiology Pre-practicum. (1) II. Prerequisite: SED 380. Simulated experiences pertaining to methodology and use of equipment for audiological evaluation, interviewing, interpreting test results, and report writing.

487 Aural Rehabilitation. (3) I. Prerequisite: SED 485. Hearing aid evaluation, dispensing, and orientation, audiology in private practice; auditory, visual, tactile-kinesthetic perception, management of speech production, educational audiology, speech reading and auditory training, importance of parental participation.

488 Practicum in Audiology. (1) I. Prerequisites: Overall 2.8 GPA and SED 380, 485, 486, and 487. Supervised clinical practice in audiology. May be retaken to a maximum of four credit hours.

499 Supervised Student Teaching in Special Education. (6-12) I, II. Prerequisite: advisor approval. Observation, participation, and teaching or clinical work in the special educational situation in the selected area of exceptionality.

507 Problems in Special Education: _____. (1-3) A. Prerequisite: advisor/departmental approval. School-related work, special workshops, special seminars. May be retaken with different descriptions.

510 Assessment, Curriculum, Methods in Content Area for the Deaf and Hard of Hearing. (3) A. Prerequisites: ASL 101 and SED 260; or instructor approval. Basic types and properties of standardized norm-referenced, criterion-referenced, and informal tests used to assess the content area knowledge of deaf and hard of hearing students. Sample curricula and instructional strategies used in teaching deaf and hard of hearing students.

512 Computer Technology with Exceptional Populations. (3) I. Prerequisites: Completed College of Education computer literacy requirement and introductory course in special education, or instructor approval. Educational applications of computer technology with handicapped individuals, infants through adult. Identification, evaluation, and operation of software, hardware, and adaptive devices in accordance with ethical practices. (Lec/Lab)

518 Special Education in Early Childhood. (3) I, II. Prerequisites: SED 104 or 575 and 260; or instructor approval. Overview of history, philosophy, legislation and services for young children (0-5) at-risk for or with disabilities, including impact and intervention across developmental domains

520 Augmentative and Alternative Communication Systems. (3) A. An overview of various approaches to aided non-oral systems of communication. Various devices and symbol systems will be discussed

522 Language Disorder of Students with Disabilities. (3) A. Formerly SED 820. Overview of Language Development and related speech and language disorders including introduction to intervention methodology.

545 Program Personnel Management. (3) I, A. Prerequisites: SED 435 or 435 or 436, SED 375. Corequisite: SED 375 or 499. Scheduling and management of systematic instruction, inclusion, transdisciplinary services, and transition activities. Working with parents, paraprofessionals, and professionals. Collaboration strategies, professional development skills, and records management.

571 Neural Bases of Communication. (3) I. A study of neuroanatomic and neurophysiologic bases of communication including developmental issues and neurologic deficits resulting in communication disorders.

572 Speech & Hearing Science. (3) II. Formerly 872. Study of the physics of sound, acoustic characteristics and processes, perceptual correlates, production of speech, and psychophysical processes of communication.

574 Field Experiences with Exceptional Learners. (3) A. Prerequisite: departmental approval. A practicum experience with exceptional individuals. Emphasis is directed at behavior management, educational assessment, and IEP/IFSP.

575 Nature and Needs of Exceptional Students. (3) A. Overview of special education including characteristics, definitions, programming, and supporting research. Open to non-majors

576 Introduction to Special Education Assessment. (3) A. Prerequisite: SED 575 or instructor approval. Principles of tests and measurements. Test administration, scoring, and interpretation applied to LBD, DHH, and MSD. Application of assessment data to interdisciplinary teams

577 Dual Sensory Impairments and Communication. (3) A. Prerequisite: SED 260 (or 522), 304, and 353/352 (teacher certification for SED 577), or instructor approval. Assessment, planning, and instruction for students with dual sensory impairments and severe cognitive disabilities. Augmentative and alternative communication methods, materials, and devices. Milieu language strategies, symbolic and nonsymbolic communication in natural environments and daily activities.

578 Behavior Disorders. (3) A. Prerequisite: SED 575 or instructor approval. Behavior disorders and/or emotional disturbances as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, programmatic approaches

579 Learning Disabilities. (3) A. Prerequisite: SED 575 or instructor approval. Definition and assessment of learning disabilities. Emphasis on theories related to specific teaching methodologies.

581 Speech for the Deaf and Hard of Hearing. (3) A. Prerequisites: SED 260 and 338, or instructor approval. Phonological development, acoustic articulation, rhythm, phrasing, accent, fluency, effects of impairment on speech, speech reading, auditory training.

590 Applied Behavior Analysis (3) A. Prerequisite: SED 575 or instructor approval. Behavior analysis applied to classroom and instructional management. Development of skills in data collection, intervention procedures, and evaluation of behavior change.

591 Instruction of Secondary Learning and Behavior Disordered Students. (3) A. Prerequisites: SED 104 and 351; or instructor approval. Problems of students with learning and behavior disorders in secondary school settings Programming and instructional alternatives for secondary level education. Planning for transition to work and community.

593 Teaching Students with Learning and Behavior Disorders. (3) A. Prerequisites: SED 575, 576, 578, 579, or instructor approval. Individual Education Programs for LBD students, based on assessment information and in accordance with legal mandates and regulations Curriculum designs, material, and program evaluation.

SOC—Sociology
Dr. Steven Savage, Chair
223 Keith

131 Introductory Sociology. (3) I, II. Basic principles and concepts of sociology, including culture, personality, social structure, groups, social processes, and social change. Gen Ed 09.

232 Introductory Sociological Analysis. (3) I, II. Prerequisite: SOC 131. Analysis of sociological concepts in terms of concept formation, measurement, interpretation, and presentation in graphic and table form

235 Social Problems. (3) I, II. Analysis of selected social problems such as crime, mental illness, homosexuality, divorce, population, and poverty. The analysis includes the definition, causes, and consequences of social problems Gen Ed 12

245 Sociology of the Family. (3) A. Prerequisite SOC 131 Family as an institution in society; its relation to cultural transmission and personality development, its relation to the wider institutional structure of society. Credit will not be awarded to students who have credit for CDF 132 or HEC 132.

305 Computers and Society. (3) A. Cross listed as CSC 305 and POL 305. The influence of computers on social and political processes. Software related to socio-political issues Credit will not be awarded to students who have credit for CSC 305 or POL 305.

310 The Sociology of Language Use. (3) A. Cross listed as ANT 310. Prerequisites: ANT 120 or SOC 131 or instructor approval. An examination of the variations and meanings of language use in social groups and the role of language in human interaction. Credit will not be awarded to students who have credit for ANT 310.

313 Social Deviance. (3) A. Examination of the social and cultural setting of deviant behavior. Will include an examination of the process of becoming deviant as well as specific types of deviance such as suicide, drugs, sexual deviance, and mental disorders.

320 Mind, Self, and Society. (3) A. Prerequisite: SOC 131. Relation of the individual to the sociocultural environment, with special reference to personality development, interpersonal role-behavior, motivation, and social attitudes.

340 Juvenile Delinquency. (3) A. Prerequisite: SOC 131. Survey of theories of juvenile delinquency, including evaluation of the constitutional, psychological, and sociological approaches and dealing with prediction, treatment, and control.

347 The Sociology of the Underground Economy. (3) A. Examination of the underground economy and the consequences of underground economic activity for society.

350 Selected Topics in Sociology: _____. (3) A. Prerequisite: SOC 131 or instructor approval. May be retaken to a maximum of nine hours provided the subject matter differs each time. Sample topics: Appalachian sociology; sexism and society; utopias

353 Sociology of Health and Illness. (3) A. Prerequisite: SOC 131 or instructor approval. Social and cultural dimensions of health and illness; analysis of mainstream and alternative health professions and medical facilities.

360 The Community. (3) A. Prerequisite: SOC 131 Characteristics of community relations in society; structure of and changes in community life; changing needs and resources of modern communities.

365 Social Change in Appalachia. (3) A. Prerequisite: SOC 131 or instructor approval Analysis of patterns of social change and development in an important area of the Southern United States, Central and Southern Appalachia Emphasis will be placed upon competing theoretical perspectives and the importance of historical research.

375 Criminology. (3) A. Prerequisite: SOC 131 Survey of theories of criminal behavior as applied to the social processes of law making and law breaking; prediction and control of crime. Credit will not be awarded to students who have credit for PAD 331

395 Research Methods in Sociology. (3) II. Prerequisites: SOC 131 and 232. Methods and techniques of sociological research; includes collecting, measuring, analyzing, processing, and presenting social data

399 Sex Roles in Traditional and Contemporary Society. (3) A. Cross listed as ANT 399 Prerequisite: ANT 120, 210, 211, or SOC 131, or instructor approval Consideration of the roles women and men have in traditional societies and their changing roles in industrial societies Credit will not be awarded to students who have credit for ANT 399

400 Racial and Cultural Minorities. (3) A. Prerequisite SOC 131 Analysis of dominant and minority groups from the perspective of sociology and related social sciences with an emphasis on racial and cultural groups in the United States. An examination of prejudice and discrimination.

415 Social Gerontology. (3) A. Cross listed as ANT 415. Prerequisite: ANT 120 or SOC 131 or instructor approval. A comparative and historical study of the physical and sociocultural aspects of human aging from a societal and global perspective Credit will not be awarded to students who have credit for ANT 415.

420 Social Organization. (3) A. Prerequisite instructor approval. Analysis of various types of organizations in American society; internal and external processes and organizational structure.

450 Social Change. (3) A. Prerequisite. six hours of SOC or instructor approval. Analysis of theories of social and cultural change in terms of process and direction and methodological issues.

455 Collective Behavior. (3) A. Prerequisite: six hours in SOC. Analysis of mass phenomena such as public opinion, rumors, fads, mobs, riots, panics, and social movements, including a consideration of the development and termination of collective behavior forms.

460 Sociological Theory I—Classical Writers. (3) I. Prerequisite: nine hours in SOC. Early developments in sociological theory; definition of the field and formation of schools of theory; the basis upon which contemporary theories are built

461 Sociological Theory II—Contemporary Writers. (3) II. Prerequisite: nine hours in SOC or instructor approval. Current state of sociological theories; recent formulations, controversies, and trends.

463 Social Stratification. (3) A. Prerequisite: six hours in SOC. Classic and recent studies of social classes and strata; critical analysis of recent research methods; social class, mobility aspirations.

465 Demography. (3) A. Methods of demographic analysis with special emphasis on sources and uses of demographic data; models of population processes such as mortality, fertility, and migration.

470 Seminar in Sociology. (3) A. Prerequisite: nine hours in SOC or instructor approval. Systemic overview of sociology through a general survey of various subdisciplines of the field with emphasis on recent research, theory, issues, and developments.

590 Directed Study. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken to a maximum of six hours provided the subject matter differs each time Directed study in sociology

SPA—Spanish
Dr. Anne Brooks, Chair
368 Case Annex

100 Hispanic Ventures: _____. (1-3) A. This course introduces students to the Spanish language and to Hispanic culture through a variety of interesting topics such as Spanish for travelers Latin American dance, music, carnivals, films, and foods May be repeated if topic is different

101 Conversational Spanish I. (3) I, II. Prerequisite: All required developmental reading and writing courses. Beginning Spanish for students with little or no previous study of Spanish. Qualified students should enroll at a higher level. Emphasis is on the four essential skills of speaking, listening, reading, and writing in contemporary cultural contexts. Laboratory work is required. Gen. Ed 03 or 04

101P Spanish Practicum I. (1) I, II. Students who enroll in this course must be concurrently enrolled in SPA 101 This course provides students with an additional opportunity to study and apply the vocabulary, grammar, and usage presented in SPA 101

102 Conversational Spanish II. (3) I, II. Prerequisite. SPA 101 or equivalent proficiency (Students with three or four successful years of high school Spanish should begin their study in SPA 102, 105, or higher. Students entering SPA 102 by referral or placement will receive three hours credit for SPA 101 if they make an "A" in 102.) Continuing development of communicative skills taught in a contemporary cultural context. Laboratory work is required Gen. Ed 03 or 04.

102P Spanish Practicum II. (1) I, II. Students who enroll in this course must be concurrently enrolled in SPA 102. This course provides students with an additional opportunity to study and apply the vocabulary, grammar, and usage presented in SPA 102.

105 Spanish Honors. (3, 6) A. Prerequisite: English ACT score of 28, or referral. Not open to students who have taken SPA 101 and/or 102. An intensive approach to the four essential skills of reading, writing, speaking, and listening. Students graded "A" or "B" will receive six hours credit for SPA 105; students receiving "C" or "D" will receive three hours credit for SPA 105 and must take SPA 102 before enrolling in SPA 201. Gen. Ed. 03 and/or 04.

201 Intermediate Conversational Spanish I. (3) I, II. Prerequisite: SPA 102 or equivalent proficiency. Development of more advanced skills for speaking, listening, reading, and writing in contemporary cultural contexts. Laboratory work required. Students entering SPA 201 by referral or placement receive six hours credit for SPA 101 and 102 if they make an "A" or "B" in 201. Gen. Ed. 03, 04, 07, or 08.

202 Intermediate Conversational Spanish II. (3) I, II. Prerequisite: SPA 201 or equivalent proficiency. Development of more advanced skills for speaking, listening, reading, and writing, with increased emphasis on short readings, discussions, and compositions on cultural topics. Laboratory work required. Students entering SPA 202 by referral or placement receive nine hours credit for SPA 101, 102, and 201 if they make an "A" or "B" in 202. Gen. Ed 03, 04, 07 or 08.

206 Conversational Fluency. (3) A. Prerequisite: SPA 202 or equivalent proficiency (not open to native speakers). Active development of skills and strategies for functional fluency in Spanish in real cultural contexts. Gen. Ed 03, 04, 07, or 08.

295 Independent Work in Spanish. (1-3) A. Prerequisite: SPA 202 or equivalent proficiency. May be retaken to a maximum of 9 hours if content is different. Prior to enrollment, student must have the independent study proposal approved by faculty supervisor and department chair.

301 Reading and Culture. (3) A. Prerequisite: SPA 202 or equivalent proficiency. Interactive discussion and writing on readings representative of Hispanic culture. Taught in Spanish.

310 Topics in Spanish:_____. (1-3) A. Prerequisite: SPA 202 or equivalent proficiency. May be retaken to a maximum of 6 hours if topic is different. Selected topics in Spanish language, literature, or culture.

360 Topics in Grammar: _____. (3) I, II. Prerequisite: SPA 202 or equivalent proficiency. May be retaken to a maximum of 6 hours if content is different. Emphasis on improving the understanding and application of Spanish through study of selected components of Spanish grammar in a variety of written cultural contexts. Gen. Ed. 03, 04, 07, or 08.

370 Conversation and Composition. (3) A. Prerequisite: SPA 360. Intensive practice in developing skills for effective oral and written communication in Spanish. Taught in Spanish. Gen. Ed 03 or 04.

405 Hispanic Literature and Culture I. (3) A. Formerly SPA 305. Prerequisite: SPA 301 or equivalent proficiency. Readings and interactive analyses of representative authors, works, and movements of both Spain and Spanish-America in their historical and cultural contexts from the Middle Ages to 1700. Taught in Spanish.

406 Hispanic Literature and Culture II. (3) A. Formerly SPA 306. Prerequisite: SPA 301 or equivalent proficiency. Readings and interactive analyses of representative authors, works, and movements of both Spain and Spanish-America in their historical and cultural contexts in the 18th and 19th centuries. Taught in Spanish.

407 Hispanic Literature and Culture III. (3) A. Formerly SPA 307. Prerequisite: SPA 301 or equivalent proficiency. Readings and interactive analyses of representative authors, works, and movements of both Spain and Spanish-America, in their historical and cultural contexts, in the 20th century. Taught in Spanish.

495 Independent Work in Spanish. (1-3) A. Prerequisite: departmental approval. May be counted toward major or minor only with permission of department chair. May be retaken to a maximum of six hours if content is different. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

572 Hispanic Literature. (3) A. Prerequisites: SPA 301 and three hours from SPA 405, 406, or 407. Study of a selected literary topic. May be retaken to a maximum of nine hours if content is different.

SPE—Speech
James Moreton, Chair
306 Campbell

100 Introduction to Human Communication. (3) I, II. An introduction to the study of human communication. Overview of major topics in contemporary theories of intrapersonal, interpersonal, small group, and public communication. Practice in the development of skills in each of these areas. Gen. Ed 20.

200 Interpersonal Communication. (3) I, II. A theoretical and skills based approach to building communication competence in personal relationship development, maintenance, and dissolution. Gen. Ed. 03 or 04.

205 Argumentation and Debate. (3) I. The study of the techniques and principles of formal argumentative discourse. Emphasis on developing, presenting, and defending a position of controversial questions. Gen. Ed 03 or 04.

210 Public Speaking. (3) I, II. Principles of and practice in the art of public speaking. Study of the invention, organization, style, delivery, and audience adaptation of informative, persuasive, and commemorative speeches. Gen. Ed. 03 or 04.

250 Interviewing. (3) I. Analysis and application of the communication skills necessary for becoming an effective interviewer and interviewee in organizational contexts. Learn and apply various interviewing techniques. Informative, employment and persuasive interviews.

300 Business and Professional Speaking. (3) II. A skills-oriented approach to communication in the workplace. Topics include the following: listening, professional etiquette, conducting meetings, preparing and presenting persuasive, professional reports, and technology (telephone, teleconferencing, and powerpoint).

301 Practical Communication Skills. (2) I, II. A skills course in practical oral communication. Emphasis on developing and building abilities in active listening, collaborative problem-solving techniques and public presentation. Gen. Ed 20.

310 Small Group Communication. (3) I. Introduction to theories of small group communication. Exposure to various types of groups with special emphasis on the role of communication in the development of group norms, roles, leadership styles, problem-solving techniques and decision-making techniques.

315 Forensics Practicum. (1) A. Prerequisite: instructor approval. Study and application of the principles of argumentation and debate. Students participate in intercollegiate forensic activities which include debate as well as individual speaking events. May be retaken to a maximum of four hours.

320 Persuasion. (3) II. Study of contemporary research and theories of persuasion and social influence. Theoretical analysis of campaign strategies, citizen advocacy, and selected social movements. Practice in the design, analysis, and implementation of persuasive messages.

325 Communication in Conflict Management. (3) A. A study of the communication components that contribute to the initiation, perpetuation, and resolution of conflict. Emphasis on building appropriate communication skills for productive conflict management.

330 Communication & The Job Search. (1) I. Empowering the student for future employment by applying communication skills and career development methods in the job search process.

349 Cooperative Study: Speech. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer. Total hours: eight, associate, sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

350 Organizational Communication. (3) I. Survey of theoretical and empirical literature dealing with communication behavior as it occurs within the context of organizations. Students examine communicative behaviors through case study and field observation. Topics include communication networks, climate, and satisfaction.

353 Health Communication. (3) A. A survey of recent development in the field of health communication. Emphasis is on the role of communication in the development of health promotion/prevention campaigns, patient provider interactions, and multicultural health settings.

370 Communication Audits. (3) A. Prerequisite: SOC 232 and SPE 350. Principles and practice of communication audits. Students will design, conduct and interpret a communication audit for an organization.

375 Intercultural Communication. (3) A. A study of the communication process across cultures with emphasis on intercultural perceptions, values, and language problems as well as nonverbal expression in personal and professional settings.

400 Communication and Gender (3) A. Focuses on relationships between communication and gender, race, and social class. Examines ways in which gender roles are created and recreated in society and in our personal and professional relationships.

406 Communication Training and Development. (3) II. An introduction to the field of communication training and development for corporate, industrial, institutional, medical or educational settings. While studying the theoretical frameworks on which training and development techniques are based, students will practice training techniques in simulated situations.

410 Human Communication Theory. (3) A. A general overview of the theoretical approaches informing research or communication. The goals of the class include developing and understanding of the role of theory in the research process and the ability to critizue theories.

415 Communication in the Legal Process. (3) A. Through the analysis of discourse in videotaped trials, students learn how communication shapes and recreates reality in the courtroom, and how discourse styles affect perceptions of witness credibility and believability.

420 Communication in Dispute Resolution. (3) A. An introduction to the Alternative Dispute Resolution movement in the United States. Combines communication theory and practice in negotiation, arbitration, and ombuds disputing forums. Emphasizes communication strategies for fair and principled dispute resolution.

450 Mediation. (3) A. The study of mediation as an alternative dispute resolution technique. Involves the analysis and practice of communication skills applicable to the mediation process. Extensive mediation role-plays are an integral part of the course.

490 Special Topics in Communication. (1-3) A. Presentation of course material of a timely, specialized, or topical nature. Specific course orientation will appear beside title. May be retaken to a maximum of nine hours if subject matter is different each time.

499 Independent Study in Speech Communication. (1-3) I, II. Individual research and reading on a specified speech communication subject. Regular consultation and final paper or performance required. Students must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

STA—Statistics
Dr. Jaleh Rezaie, Acting Chair
312 Wallace

208 Descriptive Statistics. (1) I, II. Measures of central tendency and dispersion, introduction to correlation and regression, utilization of microcomputer statistical packages. Credit will not be awarded to students who have credit for CRJ 400 or ECO 220 or ECO 848 or EPY 842 or HEA 450 or PSY 291 or QMB 200 or STA 270. Gen. Ed. 03 or 04.

215 Elementary Probability and Statistics. (3) I, II. Introduction to elementary concepts of probability, one and two sample estimation and hypothesis testing, linear correlation and regression, chi-square tests, introduction to analysis of variance, and utilization of microcomputer statistical packages. Credit will not be awarded to students who have credit for CRJ 400 or ECO 220 or ECO 848 or EPY 842 or HEA 450 or PSY 291 or QMB 200 or STA 270. Gen. Ed. 03 or 04.

270 Applied Statistics I. (3) I, II. Prerequisite: MAT 107. Measures of central tendency and dispersion, frequency distributions, probability, sampling distributions, point and interval estimates, hypothesis testing. Credit will not be awarded to students who have credit for CRJ 400 or ECO 220 or ECO 848 or EPY 842 or HEA 450 or PSY 291 or QMB 200 or STA 208 or STA 215. Gen. Ed. 03 or 04.

271 Applied Statistics II. (3) II. Prerequisite: STA 215 or 270. Analysis of variance, chi-square tests, nonparametric methods, elementary experimental design, linear correlation/regression, multiple regression, model building, computerized statistical packages. Credit will not be awarded to students who have credit for ECO 320 or ECO 848 or EPY 843 or PSY 301 or QMB 300 or STA 500.

349 Cooperative Study: Statistics. (1-8) I, II; (1-6) SUMMER ONLY. Prerequisite: departmental approval. Work in placements related to academic studies. Does not apply to major or minor requirements. Total hours: eight, associate, sixteen, baccalaureate. A minimum of 80 hours of employment is required for each semester hour of academic credit.

370 Applied Probability. (3) I, II. Prerequisite: any calculus course. Intuitive and axiomatic development of probability, set theory, counting techniques, conditional probability, Bayes Theorem, discrete models and distributions, and the law of large numbers.

375 Sampling Theory. (3) A. Prerequisite: STA 270 or 370. Basic concepts of sampling theory, simple random sampling, stratified random sampling, cluster sampling, systematic sampling, ratio and regression estimation, applications to surveys, utilization of microcomputer statistical packages.

490 Seminar in _____. (1-3) A. Prerequisite: departmental approval. Topic announced at the time of offering. May be retaken to a maximum of 12 hours, provided the topics are different.

495 Independent Work. (1-3) A. Prerequisite: departmental approval. Directed study/research on a problem or area chosen in consultation with instructor. Final paper required. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

500 Applied Statistical Inference. (3) A. Prerequisite: departmental approval. Designed for students in all areas. A general background in statistical methods including normal distribution, point and interval estimation, hypothesis testing, regression, analysis of variance, utilizing statistical packages on microcomputers. Credit will not be awarded to students who have credit for ECO 320 or ECO 848 or EPY 843 or PSY 301 or QMB 300 or STA 271 or STA 521.

501 Nonparametric Statistics. (3) A. Prerequisite: six hours of STA or three hours of STA and departmental approval. Simple, efficient nonparametric methods without normality assumptions. Tests, estimation of proportions, medians, two-sample location/dispersion, one and two-way layout, independence, regression.

503 Statistics with Technology for P-9 Teachers. (3) A. Prerequisite: STA 270. Topics in statistics appropriate for teachers of grades P-9. Credit does not apply toward B.S. nor B.S. (teaching) degree requirements for programs offered within this department.

507 Seminar in Statistics: _____. (1-3) A. Prerequisite: departmental approval. Topics vary with offering. May be retaken with advisor approval, provided that the topics are different. Credit toward degree requirements will depend on the course content.

520 Mathematical Statistics I. (3) I. Prerequisites: MAT 224 or 224H, STA 270 or 370. Descriptive statistics, continuous probability distributions for one and two variables, functions of random variables, sampling distributions.

521 Mathematical Statistics II. (3) II. Prerequisites: STA 520 and MAT 214. A continuation of STA 520. Estimation theory, tests of hypothesis, linear regression and correlation, multiple linear regression, analysis of variance, allied topics. Credit will not be awarded to students who have credit for STA 500.

575 Statistical Methods Using SAS. (3) A. Prerequisite: STA 270, 500, 501, or 521; or a course in statistical inference. Statistical methods focusing on the use of the SAS computer package and interpretation of data. Assumptions of parametric and nonparametric tests.

SWK—Social Work
Mr. Douglas Burnham, Coordinator
221 Keith

210 Introduction to Social Work. (2) I, II. Prerequisites or corequisites: SOC 131 and PSY 202. Introduces philosophy, values, ethics, and processes of the social work profession, emphasizes the bases of Generalist practice theory; areas of practice; social justice and the role of violence in society.

225 Human Behavior/Social Environment I. (3) I, II. Prerequisites or Corequisites: SOC 131, PSY 202, and SWK 210. Bio- psycho-social perspective of human behavior and social interactions based on systems theory. Explores traditional and alternative paradigms of developmental life cycle and family interactions. Emphasis on developmental diversity in a multicultural society.

310 Introduction to Social Welfare. (3) I, II. Prerequisites: POL 101 and SWK 210. History of social welfare, its role and relationship with other social institutions, structure and function of U.S. system compared to other national systems; inequitable distribution of resources, and its contribution to a violent environment.

311 Social Welfare Services/Policies. (3) A. Prerequisite: SWK 310. Social problems, policies, and services in the areas of health and mental health care, aging, women's issues, and juvenile delinquency.

331 Appalachia: A Cultural Perspective. (3) A. Cross listed as ANT 331. Prerequisites: SOC 131 and three hours of ANT, SOC, or SWK. Sociocultural perspective of Appalachia. Relationship of physical characteristics; beliefs, occupation; personality; family/kinship patterns to health. Cross-cultural professional practice skills and errors of crosscultural helping. Credit will not be awarded to students who have credit for ANT 331.

335 Human Behavior/ Social Environment II. (3) I, II. Prerequisite: SWK 225. Systems theory applied to the functioning of various size collectives and their impact on behavior within a cultural context. The impact of social oppression, social and economic injustices and the creation of cultural and institutional violence.

350 Social Work Practice I. (3) I, II. Prerequisite: SWK 335; Corequisite: SWK 354. Theoretical base for social work practice from a generalist perspective. Focuses on the social work process. Problem indentification; data collection and synthesis; assessment, planning and intervention; termination; and evaluation. Emphasis on multidimensional assessment and practice ethics.

354 Practice Skills Laboratory. (1) I, II. Corequisite: SWK 350. Weekly two-hour laboratory. Focuses on interactional activities and exercises that foster the development of interviewing, data collection, and synthesis, assessment, and use of relationship skills.

355 Social Work Practice II. (3) I, II. Prerequisites: SWK 350, 354, and SOC 232. Addresses the social work process with a focus on planning intervention, implementation, and evaluation of practice strategies. A weekly laboratory develops skills in these areas. Work with families and groups will be emphasized. 2 Lec/ 2 Lab.

358 Child Abuse and Neglect. (3) A. Prerequisite: SWK 310 and instructor approval, Prerequisite or Corequisite: SWK 355. Knowledge base for identification, risk determination and psycho-social assessment of child abuse, neglect and dependency situations. Explores service delivery, role of the court, and the impact of cultural and institutional violence.

360 Social Work Practice III. (3) I, II. Prerequisite: SWK 355 or coordinator approval. Social Work process and skills applied to assessment and intervention with networks, organizations, and communities. Emphasis on community research, program development and evaluation; grantsmanship; strategies to advance social justice and address institutional and cultural violence. 2 Lec/2 Lab.

390 Field Experience in a Social Agency. (3) I, II. Prerequisite: SWK 350. Eight hours per week in an agency, special community program, or project approved by Practicum Coordinator plus 1 1/2 hour seminar. Applications of practice theory and process. Student must apply the previous semester. Majors only.

410 Social Welfare Policy Practice. (3) I, II. Prerequisites: SWK 311, SWK 355, and SWK 358. Dynamics of policy implementation at administrative, judicial, and legislative levels: policy analysis, formulation, modification, and evaluation; focus on policies that contribute to social injustices and policies that foster the creation, enhancement, or promotion of violence.

450 Child Abuse Interventions. (3) A. Prerequisite: SWK 358. Development of assessment, intervention, and prevention skills in child abuse and neglect. Focus is on public agency involvement.

455 Selected Topics in Social Work. (1-3) A. Prerequisite: instructor approval. Course content will be determined by student interest, instructor specialty, and new developments in the profession. May be retaken to a maximum of six hours provided subject matter differs each time.

456 Children's Services. (3) A. Prerequisite: instructor approval. Critical appraisal of societal values of priorities underlying services to children. Examines range of services and skills used in social work practice with children, understanding psycho-social needs of children.

457 Services for the Elderly. (3) A. Prerequisite: instructor approval. Examines societal values relating to the elderly, psycho-social needs of the elderly; community-based and institutional

services; and dynamics of working with the elderly and their families.

458 AIDS and the Social Response. (2) A. Cross listed as HEA 458. Prerequisites: SOC 131, PSY 202 and Junior standing; or instructor approval. Psycho-social aspects of HIV infection. Exploration of methods of responding to and serving people with HIV. Development of population specific prevention strategies. Credit will not be awarded to students who have credit for HEA 458.

490 Social Work Practicum. (12) I, II. Prerequisites: GPA of 2.0 and completion of all other major requirements with a minimum grade of "C." Supervised practice in a social agency approved by Practicum Coordinator. Four days a week for 12 weeks plus weekly on-campus seminar. Application must be made through Practicum Coordinator the semester preceding placement Social work majors only

590 Directed Study. (1-3) A. Student must have the independent study proposal form approved by faculty supervisor, program coordinator, and departmental chair prior to enrollment May be retaken to a maximum of six hours provided the subject matter differs each time.

TEC—Technology, General
Dr. William E. Davis, Chair
307 Whalin

141 Elementary Woodworking. (3) I, II. Basic instruction in the use of common hand tools, basic machine operations, problems in furniture construction, related technical information, and finishing materials and methods. Not open to students majoring in a program within the department. 2 Lec/3 Lab

161 Computer Applications in Industry. (3) I, II. A survey of computer systems and software applications currently being used in manufacturing and construction industries 2 Lec/3 Lab.

190 Technical Graphics. (3) I, II. Shape and size description of objects using conventional projection techniques—multiview, axonometric, oblique, and perspective. Emphasis is placed on sketching with paper and pencil and with computers. 2 Lec/3 Lab

194 Architectural Graphic Methods. (3) I. Graphic presentation methods used in architecture and interior design. Hardline drawings using standard drafting conventions and equipment. Emphasis on orthographic, axonometric (paraline), and perspective drawings. 2 Lec/3 Lab.

309 Integrated Marketing Communications. (3). A. Cross listed as MKT 309 and COM 309. A course covering the theories, strategies and skills of Integrated Marketing Communication, with a special emphasis on applying IMC to the Internet and the World Wide Web (WWW). Credit will not be awarded to students who have credit for MKT 309 or COM 309

313 Digital Photography. (3) A. A study of current technology which digitizes images and sound with applications for printed documents and computer presentations, plus an emphasis on creating pages for the World Wide Web 2 Lec/3 Lab.

315 Photography I. (3) I, II. Emphasis on black and white photography including use and care of equipment, exposure calculations, and finishing A slide/tape program will also be produced. Credit will not be awarded to students who have college credit in another photography course A 35mm camera with adjustable lens and shutter control is required. 2 Lec/3 Lab.

322 Crafts for Children. (3) I, II. Introduction to various craft media and their application in recreational elementary crafts programs. Emphasis on activities appropriate for children and the use of inexpensive and readily available materials 2 Lec/3 Lab.

331 Casework Detailing. (3) I. Prerequisites: IDH 221 and IDH 229. The planning and production requirements of architectural millwork and the drawings needed to describe its construction. The production of a complete set of working drawings for a casework piece will be required.

332 Product Design. (3) I, II. Prerequisite. TEC 391. Elements of product design as it relates to materials, such as woods, metals, and plastics Emphasis placed on experimentation and problem solving in developing design solutions, detailed drawings, and illustrations and the presentation of design ideas. 2 Lec/3 Lab.

333 Special Problems in Technology. (1-6) I, II. An independent study course for exceptional undergraduate students. A study proposal will be developed by the student and approved by the faculty supervisor and department chair prior to enrollment May be retaken provided the topic of study is different.

349 Cooperative Study in Technology. (1-8) I, II. Prerequisite. departmental approval Work under faculty and field supervisors in placements related to academic studies. One to eight hours credit per semester or summer Total hours: eight, associate; sixteen, baccalaureate A minimum of 80 hours work required for each academic credit.

368 Workshop in Technology. (1-4) A. Presentation of technology topics of a timely or specialized nature in a workshop format. May be retaken provided the topics are different

391 Technical Illustration. (3) I, II. Prerequisite TEC 190, 194 or CON 294 Axonometric projection, oblique, perspectives, and illustration techniques to include pencil rendering and ink delineations 2 Lec/3 Lab.

394 Architectural Drawing I. (3) I, II. Prerequisite TEC 190, 194, or CON 294 Basic principles of house planning, styles of home architecture, comparative study of building materials, preparation of a complete set of plans and specifications for a small home. 2 Lec/3 Lab.

491 Architectural CAD. (3) A. Prerequisites. TEC 391 and 394 Characteristics and operation of a 3D AEC (architectural, engineering, and construction) computer application system. Topics include representation of 3D objects in computer graphics, features and commands of AEC systems, and applications in architectural drawing and rendering. 2 Lec/3 Lab

496 Architectural Drawing II. (3) I, II. Prerequisite: TEC 394 Consideration of both residential and commercial buildings with an emphasis on structural design, building methods and materials, mechanical systems, and site planning. Preparation of a complete set of plans for a small commercial building 2 Lec/3 Lab.

501 Special Problems in Technology. (2-6) I, II. An independent study course for exceptional upper division undergraduate students Students must have the independent study proposal form approved by the faculty supervisor and department chair prior to enrollment May be retaken provided the topic of study is different.

533 Workshop in Technology. (1-4) A. Presentation of technology topics of a timely or specialized nature in a workshop format. May be retaken if the topics are different

THE—Theatre Arts
James Moreton, Chair
306 Campbell

100 Introduction to the Theatre. (3) I, II. Understanding and appreciating the arts of the theatre, development of dramatic forms and practices, consideration of the elements of contemporary theatrical practice Analysis of plays Attendance at selected play productions required. Gen. Ed. 07.

110 Stagecraft. (3) A. Problems of stagecraft dealing with the scenic process—use of materials, construction and handling of scenery—and basic stage electricity. Lecture and lab.

130 Theatre Arts Practicum I. (1) I, II. Study and practice of technical production through participation in departmental productions May be retaken to a maximum of three hours.

135 Acting I. (3) I, II. Investigation and practice of the fundamentals in the acting process Course work will include physical and mental preparation for the actor, improvisation, and beginning scene work.

150 Improvement of Voice and Articulation. (3) A. Formerly SPE 150 Basic theory and speech production, phonetic and vocal drills for improvement of voice and articulation; adapted to students' individual speech needs.

200 Theatrical Makeup. (2) A. Techniques in application and design of stage makeup, both straight and character.

210 Advanced Stagecraft. (3) A. Prerequisite: THE 110. A continuation of THE 110 with emphasis on lighting, sound, properties and stage management.

220 Costume Construction. (3) A. Study and practical experience in garment construction and related costume crafts as used in theatre costume design. 2 Lec/2 Lab

235 Acting II. (3) I. Prerequisite. THE 135 Study and practice in analysis, character development and rehearsal as related to scene study; emphasis on twentieth-century acting styles

280 Acting for Musical Theatre. (3) A. Prerequisite THE 135. Study of Musical Theatre as an art form, and an examination of the acting process and how it applies to the musical genre, performance work is included.

285 Theatre Dance I. (2) I, II. A beginning course in dance for the stage Starting with basic work in ballet, jazz and musical theatre styles to develop strength and coordination. The class encompasses center floor work and dance combinations Class meets for one hour, Monday through Thursday May be retaken to a maximum of eight hours

310 Scenic Design. (3) A. Prerequisite THE 110 or instructor approval. Principles of composition, scale, perspective, and color applied to the stage, production of ground plans, sketches, and models

311 Stage Lighting. (3) A. Prerequisite. THE 110 or instructor's approval Examination of theories of lighting with application to the stage, mixed media and dance. Consideration given to color principles, lighting instruments and control equipment. Lecture and lab.

320 Costume Design. (3) A. Design and execution of theatrical costumes with emphasis on originality, color and line. Attention given to costumes of various periods and styles

330 Theatre Arts Practicum II. (1) I, II. Prerequisite: THE 130 or departmental approval. Continuation of THE 130. May be retaken to a maximum of three hours.

335 Acting III. (3) A. Prerequisites. THE 135; THE 235 recommended. Advanced study and rehearsal in verse drama, concentrating on language and action analysis, and character development for performance; emphasis on Shakespearean scripts.

340 Audition Workshop. (1) A. Prerequisite: instructor approval Study and practice in theatrical auditioning, resume creation and actor's self-presentation; performance workshop in approach May be retaken to a maximum of four hours

341 Directing. (3) A. Prerequisite: THE 235 or instructor approval. An introduction to the principles of play directing Study of play selection and analysis, characterization, composition, blocking, and casting and rehearsal procedures

349 Cooperative Study: Theatre Arts. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours credit per semester or summer Total hours: eight, associate; sixteen, baccalaureate. A minimum of 80 hours employment required for each semester hour credit.

385 Theatre Dance II. (2) I, II. Prerequisite: THE 285. Upper division dance course. Emphasis is placed on technique and polish through more advanced combinations and a greater diversity of styles. Ensemble work, tap, jazz, and partnering will be included. May be retaken to a maximum of eight hours.

390 Theatre History I. (3) I, A. Intensive examination of development of theatre from the Greeks to the French Renaissance. Gen. Ed. 07.

391 Theatre History II. (3) II, A. Development of theatre from the English Restoration to the modern period. Gen. Ed. 07.

430 Dramatic Literature. (3) A. Cross listed as ENG 430. Survey of the major periods and genres of world dramatic literature, from the Greeks to the present; selected readings from the major playwrights, critics, and theorists. Credit will not be awarded to students who have credit for ENG 430.

435 Acting IV. (3) A. Prerequisites: THE 135, THE 235 recommended. Advanced study and rehearsal in period styles. Practice in character analysis and technique for performance. Exact course content may vary with instructor or needs of students.

442 Independent Study in Play Direction. (1-3) A. Prerequisites: THE 341 and departmental approval. Direction of a studio or major production under faculty guidance. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

490 Special Topics in Theatre Arts. (1-3) A. Presentation of course material of a timely, specialized or topical nature. Specific course orientation will appear beside title. May be retaken to a maximum of nine hours, if the subject matter is different.

499 Independent Study in Theatre Arts. (1-3) I, II. Prerequisite: departmental approval. Independent study in theatre production and research. May be retaken to a maximum of six hours. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment.

TNT—Travel and Tourism
Dr. Wilma Walker, Chair
201 Roark

210 World Travel. (3) A. Examines the development of travel and tourism through the history of global exploration, the formation of population tourism destinations around the world, and the emerging structure of the international tourism industry.

300 Travel and Tourism Topics: _____. (1-3) A. Prerequisite: instructor approval. Designed to provide study in special areas of travel and tourism as reflected in the course title. May be retaken to a maximum of nine hours provided subject matter differs each time.

310 Travel and Tourism Industry. (3) A. Prerequisite: TNT 210 or departmental approval. Examination of the industry as a system: the suppliers, the intermediaries, and the market. Theoretical underpinnings of the tourism system are included along with principal publications and practices.

315 Tourism Development. (3) A. Prerequisite: TNT 210 or departmental approval. An in-depth study of the planning process, the determination of marketing strategies, and the economic impact of tourism development.

349 Cooperative Study: Travel and Tourism. (1-8) A. Prerequisite: departmental approval. Work in placement related to academic studies. One to eight hours credit per semester or summer. Total hours for baccalaureate, 16. A minimum of 80 hours employment required for each semester hour credit. No more than six hours may count toward the major.

415 Issues in Travel and Tourism. (3) A. Prerequisite: TNT 210, 315, and GEO 351; or departmental approval. A comprehensive study of current issues, trends, problems, and opportunities in the travel and tourism industry. Field trip and research paper required.

420A Internship. (3) A. Prerequisite: departmental approval. Students will work under departmental supervision in a private or public agency engaged in travel and tourism activities.

420B Internship. (3) A. Prerequisite: departmental approval. Students will work under departmental supervision in a private or public agency engaged in travel and tourism activities.

498 Independent Study. (1-3) A. Prerequisite: departmental approval. Independent study topic in specific aspects of travel and tourism. Student must have the independent study proposal form approved by faculty advisor and departmental chair prior to enrollment.

(Other department courses may be found under GEO and PLA.)

TRS—Traffic Safety
Raymond Ochs, Coordinator
253 Stratton

100 Trends in Loss Prevention. (1) A. Study of the development of loss prevention countermeasures to solve safety problems. Educational efforts, law enforcement activities, regulatory programs, and engineering concepts that are presently utilized to reduce accidents and injuries are reviewed.

103 Safety in Personal Transportation. (2) A. Designed to survey the basic concept of safety; including the philosophy and concept of risk, countermeasures, accident proneness and safety instruction; experiences include a personal assessment of safety-related behavior emphasizing personal forms of transportation.

233 Emergency and Defensive Driving Techniques. (3) A. Instruction for drivers in defensive driving techniques and emergency or unusual driving situations. Classroom and practice driving instruction in vehicle handling techniques.

234 Beginning Motorcycle Safety. (3) A. Designed to develop in students the necessary concepts, principles, and competencies for use of two-wheeled motorized vehicles including minibikes, mopeds, and motorcycles. Motorcycles and helmets are provided.

285 Introduction to Driver and Traffic Safety. (3) A. Designed to provide the concepts, principles, judgment, and performance for safe, efficient use of the highway system. Exposure is provided to a multiple-phased driver education instruction program.

322 Traffic Law Enforcement. (3) A. A course designed to provide the principles and practices of traffic law enforcement.

332 Traffic Crash Causation and Investigation. (3) A. A study of the principles of traffic accident causation and techniques used in investigation. Designed to increase the investigator's knowledge and understanding necessary for gathering factual information through investigation as opposed to reporting traffic accidents.

342 Advanced Accident Investigation (3) A. Prerequisite: TRS 332. Course designed to prepare participants in advanced traffic accident investigation methods and techniques.

349 Cooperative Education. (1-8) A. Prerequisite: departmental approval. Work in placements related to academic studies. One to eight hours per semester or summer. A minimum of 80 hours work required for each academic credit.

386 Methods and Educational Media in Driver and Traffic Safety. (3) A. Designed to provide the competencies to organize and instruct driver education utilizing the multimedia system and the simulation system of instruction.

407 Independent Study in Driver and Traffic Safety Education. (1-6) A. Designed to give the student the opportunity to develop specific competencies by designing and conducting research in the broad area of traffic safety, or by independent reading assignments in the area of traffic safety education. Student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken to a maximum of six hours.

413 Current Developments in Driver and Traffic Safety. (3) A. Current problems, issues, trends, and developments in traffic safety are reviewed, analyzed, and evaluated.

487 Behavioral Approaches to Driver and Traffic Safety. (3) A. Designed to study, analyze, and develop behavioral objectives applied to driving task instruction with study and evaluation of individualized learning approaches for programs in driver education.

491 Special Topics: _____. (1-3) A. Prerequisite: instructor approval. Intensive study of selected topics in traffic and driver safety. May be retaken under different topics to a maximum of six hours.

588 Laboratory Instructional Programs in Driver and Traffic Safety. (3) A. Designed to provide the background, knowledge, and competencies to instruct the laboratory phases of the multiple-car driving range and on-street instruction. Provided are experiences related to implementation and administration of such programs.

TTE—Technology Teacher Education
Dr. William E. Davis, Chair
307 Whalin

163 Production Processes. (3) A. A study of the use of basic tools and machines, to include hand tools and portable power tools. Skills, care, and safety will be stressed. Students will complete a series of exercises that will cause them to demonstrate their skills and knowledge. 2 Lec/3 Lab.

233 Problem Solving and Design. (3) A. Prerequisites: TEC 190 and TTE 163. Study and application of the principles of three- dimensional design related to various media, emphasis on experimentation and problem solving in developing and construction design solutions. Technical illustration techniques to include pencil rendering, ink delineation, and other methods. 2 Lec/3 Lab.

261 Foundations of Industrial Education. (3) I. A study of the historical, philosophical, economical, sociological, and psychological foundations of industrial education related to elementary, secondary, and post-secondary industrial education.

361 Course Materials in Technology Education. (3) I. The preparation of instructional materials and instructional techniques, including the development and use of visual aids. The content will include the development of curricula at appropriate levels of industrial education and appropriate laboratory activities.

461 Communication Systems. (3) A. Prerequisites: EET 251 and TTE 361. A course for the technology education teacher related to the communication industry and related occupations. The content will include the concepts and principles

of communication systems and the impact of this industry on society. 2 Lec/3 Lab.

462 Manufacturing. (3) A. Prerequisites: TTE 163 and 361. A course for the technology education teacher related to the occupations, materials, processes, and tools found in manufacturing industries. Laboratory sessions include designing, operation, and management of a simulated manufacturing activity. 2 Lec/3 Lab.

464 Transportation and Power. (3) A. Prerequisites: TTE 361. A course for the technology education teacher related to the transportation and power industry to include related occupations. The content will include power mechanics, electrical theory and power, and fluid power, as these relate to the industry. 2 Lec/3 Lab.

465 Construction. (3) A. Prerequisites: TTE 163 and 361. A course for the technology education teacher related to the construction industry, its related occupations, and its function in today's economy. The content will include activities in basic carpentry, electrical wiring, plumbing, masonry, and structural building techniques. 2 Lec/3 Lab.

VIT—Vocational Industrial Teaching
Dr. William E. Davis, Chair
307 Whalin

164 Orientation to Vocational Teaching. (1-3) A. Instruction of new vocational teachers in areas of principles of instruction, lesson planning, oral instruction, instructional aids, demonstrations, evaluation and follow-up. Satisfactory-unsatisfactory grading. May not be retaken.

203 Staff Exchange. (2-6) A. For in-service vocational teachers enrolled in an approved staff exchange program designed to update technical skills and knowledge in an industrial setting. First week of exchange is equal to two semester hours of credit with one additional hour of credit for each additional week. Satisfactory-unsatisfactory grading.

204 Related Science, Mathematics, and Technology in Occupations I. (3) A. Offered only through written examination; applicant must be eligible for vocational teaching certificate.

205 Manipulative Skills in Occupations I. (3) A. Offered only through technical competence examination; applicant must be eligible for vocational teaching certificate.

206 Related Knowledge: Occupations I. (3) A. Offered only through written examination; applicant must be eligible for vocational teaching certificate.

264 Instructional Materials. (3) A. Selection and arrangement of teaching content; preparation of assignment, operation and information sheets; development of instructional techniques and general curriculum at appropriate levels of industrial education.

302 New Developments in Industry. (1-6) A. Concurrent enrollment in approved industry sponsored course. One hour credit for each week of enrollment (minimum of 20 class hours per week). Student required to present proof of completion and to develop a teaching unit on the new development. May be retaken provided the industry sponsored school is different. Graded on a satisfactory-unsatisfactory basis. Only in-service vocational education teachers may enroll.

304 Related Science, Mathematics, and Technology in Occupations II. (3) A. Offered only through written examination; applicant must be eligible for vocational teaching certificate.

305 Manipulative Skills in Occupations II. (3) A. Offered only through technical competence examination; applicant must be eligible for vocational teaching certificate.

306 Related Knowledge: Occupations II. (3) A. Offered only through written examinations, applicant must be eligible for vocational teaching certificate.

363 Evaluation in Vocational and Technical Education. (3) A. Methods of evaluation, preparation of measuring devices; methods of assessing technical competency, interpretation of standardized test results, statistical analysis of test data and the improvement of instruction.

364 Methods in Vocational-Industrial and Technical Education. (3) A. Presentation and application of instructional materials, methods, techniques, and devices relevant to teaching vocational-industrial and technical subjects.

463 Practicum in Vocational-Industrial and Technical Education. (4-12) A. Observation, participation and supervised teaching in vocational-industrial and technical education. Includes experiences in lesson planning, classroom management, record keeping, development and use of instructional materials and directed teaching in approved centers. Students are graded on a satisfactory-unsatisfactory basis.

469 Seminar in Teaching Industrial Education. (4) A. A seminar in lieu of student teaching at the appropriate level, designed to provide additional certification for students who have completed four years of successful teaching experience or for students who have completed the dual certification.

504 Industrial Education Staff Exchange. (2-6) A. For in-service teachers enrolled in a staff exchange program designed to update technical skills in a proper industrial setting. Written reports are required. First week of exchange is equal to two hours of credit with one additional hour of credit for each additional week. May be retaken provided the industrial setting is different. Satisfactory-unsatisfactory grading.

WMS—Women's Studies
Dr. Isabelle White, Director
467 Case Annex

201 Introduction to Women's Studies. (3) A. Introduction to interdisciplinary field of women's studies and feminist scholarship. Provides overview of the diversity of women's experiences, images, and issues from a wide variety of disciplinary perspectives.

349 Cooperative Study: Women's Studies. (1-8) A. Prerequisite: approval of Director of Women's Studies. Work in job placements related to Women's Studies. One to eight hours credit. Minimum of 80 hours employment required for semester hour credit.

400 Feminist Theory and Practice. (3) A. Prerequisite: WMS 201 or instructor approval. Examines development of feminist theory and its implications for continuing feminist scholarship. Includes related research project in student's major.

495 Independent Study: Women's Studies. (1-3) A. Prerequisite: approval of Director of Women's Studies. Study of a special topic in Women's Studies. Proposal must be approved by faculty supervisor and Women's Studies Director before enrolling.

PART 6

Official Directory

Office of the President

ROBERT KUSTRA, BA, MA, PhD ..... President
HANLY FUNDERBURK, BS, MS, PhD ..... President Emeritus
Beverly G. Burrus, BBA ..... Administrative Assistant
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Melany Aldridge, BS ..... Administrative Assistant
HARRY MOBERLY, BA, JD ..... Director, Student Judicial Affairs and Services for Students with Disabilities
Mary Elizabeth Bohannon, BS, MA ..... Associate Director
Charlotte Tanara, BS, MA, PhD ..... Associate Director
Teresa Belluscio, BA, MA ..... Disabilities Coordinator
TBA ..... Interpreter Coordinator
Thomas King, AA, BS ..... Interpreter
Shirley Rivard ..... Interpreter
Kathy Wright, BS ..... Interpreter
Timothy N. Clabaugh, BS ..... Interpreter

Administration

Office of Academic Affairs and Research

TBA ..... Provost and Vice President for Academic Affairs and Research; Dean of the Faculties
Connie L. Agee, AA ..... Administrative Assistant
Jeanette Davidson, AAS, BBA, MAEd ..... Administrative Assistant

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Melanie Shaffer, BS ..... Administrative Assistant
JAMES L. GRIGSBY, BA, MA ..... Director, Division of Admissions
Donna F. Kenney, BS, MA ..... Assistant Director, Admissions Counseling
Felecia Ballard, BA ..... Admissions Counselor
Michael Earl Hay, BBA ..... Admissions Counselor
Ruthe Holmberg ..... Admissions Counselor
D. Wade Stanfield, AA, BA ..... Admissions Counselor
Krystal Vickers Powell, BS ..... Admissions Counselor
Kristy Poynter, BA ..... Admission Counselor
PENNY BENZING, BS-OT, MA ..... Director, Division of Advising
Joan P. Hopkins, BS, MEd ..... Athletic Academic Advisor
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Loretta Leszczynski ..... Administrative Assistant
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Jennifer Hamm, BSW ..... Counselor
Claudia McCormick, BA, MA ..... Student Employment Coordinator
Shelley S. Park, BA ..... Scholarship Coordinator
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Runan Pendergrast, BA ..... Counselor
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John Kweiciniski, BS, MS ..... Assistant Director, Extended Programs
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TBA ..... Superintendent, Lilley Cornett Woods

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Johanna Willham, BS ..... Administrative Assistant

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Emma Cox ..... Administrative Assistant

JACK K. FLETCHER, BS, MS, EdD ..... Director, Arnim D.Hummel Planetarium
Cory Anderson ..... Assistant Director
Robert T. Watts, AA ..... Assistant Superintendent, Lilley Cornett Woods
Homer L. Strong, BS ..... Manager, Maywoods Environmental Educational Laboratory

Office of Administrative Affairs

CHARLES D. WHITLOCK, AB, MA, EdD ..... Vice President for Administrative Affairs
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Caesar Archangel, AS ..... Network Computer Operator
Judith Cahill, BS ..... Training Administrator/ Software Consultant
Dudley Cornman, BS ..... Systems Programmer
Christopher Hart, AS ..... Data Services Engineer
John Hawkins, BA ..... Operations Supervisor
Charles High ..... Senior Equipment Technician
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Margaret Lane, BS, MS ..... Academic Support Manager
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Joseph O. Wright, AA ..... Systems Programmer
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Larry C. Bobbert, BS, MA, EdD ..... Television Producer
William S. Browning, AA ..... Chief Engineer
John L. Francis, BA ..... Radio Operations Supervisor/WEKU-FM/WEKH
Forrest Wayne Gregory, BA ..... Radio Music/Fine Arts Producer
Lauren P. Harrison, AS, BA ..... Art Coordinator
Stuart A. Johnson, BA ..... Producer/Reporter, WEKU-FM/WEKH
TBA ..... Assistant Manager/ Music Coordinator, WEKU-FM/WEKH
W. Douglas Marshall, BS, MS ..... Cable Operations Supervisor
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M. Linda Mueller ..... Coordinator, Promotion and Development, WEKU-FM/WEKH
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Glenn R. Wise ..... Television Technician
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Erman Wirtz ..... Textbook Manager
LAMAR PATTERSON ..... Acting Director, Division of Food Services
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John Crockett, BBA ..... Catering Sales Manager
Bonnie Smith, BS ..... Martin Cafeteria Manager
Deborah Thacker, BS ..... Manager
Christopher Fritz, AA ..... Production Manager
Ken Engle ..... University Center Grill Manager
Derek Barnes, BS ..... Banquet Manager
Ron Williams ..... Bowling Lanes Manager

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David Williams, BS ..... Assistant Director, Campus and Grounds
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Troy Cornett ..... Academic and Service Building Custodial Supervisor
Charles Turpin ..... Carpentry Supervisor
James Frederick ..... Heat Plant Supervisor
Joe Hensley ..... Controls Technician
Jeffrey Cantrell ..... Pest Control Supervisor
Roger Mattox ..... Electrical Supervisor
Harold Smith ..... Mechanical Supervisor
John Young, AS ..... Technical Specialist, Energy Management System
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Kathie Drake, BS, MAEd ..... Training and Development Coordinator
Lynn Cunningham, BBA ..... Events Coordinator
Chris Bogie, BA ..... Support Services Coordinator
Kathy Corbean, BS ..... Community Education Coordinator

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Lori Fritz, AA ..... Cashier
Kathy Lou Reynolds, BBA ..... Cashier
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Joe A. Reynolds ..... Central Stores Supervisor
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Maribeth McBride, BA ..... Assistant Director
Cheryl Howard ..... Payroll Manager
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Brooke Afsah-Mohallatee, BA, MBA ..... Senior Staff Auditor

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William R. Marcum, BS ..... Farm Manager—Meadowbrook Farm
Leta Hackney, BS ..... Livestock Specialist
Matthew Robison, BS ..... Dairy Manager
Jerry Plummer, BS ..... Livestock Manager

Office of Government Relations

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Maxine Seyfrit, RN ..... Nurse Supervisor
Cheryl Simpson, BSN, RN ..... Nurse
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Brandee Petrey, BM ..... Assistant Area Coordinator
Kathy Holmes ..... Administrative Assistant
Robyn Klaren, BA ..... Assistant Area Coordinator
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Kenna Middleton, BA, MA ..... Director of Housing
Lisa Moore, AA, BS ..... Residential Coordinator
Robby Morton, BA, MPA ..... Director of Residential Education
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Brandee Petrey, BM ..... Assistant Area Coordinator
Kevin Petrey ..... Assistant to the Director
Brady Powers, BA ..... Assistant Area Coordinator
John Stauffer, BA, MA ..... Area Coordinator
Walter Wells, BBA, MS ..... Associate Area Coordinator
HAYWARD M. DAUGHERTY, JR., BS, MA, EdD .. Dean of Student Development
Shannon Brown Marthouse, BA, MS ..... Leadership Development Coordinator
Cari Sue Heigle, BA, MA ..... Director, Student Organizations
Sandra Moore, BA, MA ..... Director, Multicultural Student Services

Patrick Nnoromele, BTh, BA, MA, PhD ..... University Chaplain
Natalie Webb, BA ..... Facilities Coordinator
ART HARVEY, BS, MS ..... Director, Career Services
Laura Melius, BS, MBA ..... Associate Director of Career Services
MARY WALKER, BA, MS, EdD ..... Director, Counseling Center
Marcus Flathman, PhD ..... Staff Psychologist
Michalle Rice, BA, MS ..... Counselor
Melissa Cozart, BS, MS ..... Counselor

Office of University Advancement

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TBA ..... Administrative Assistant
LARRY W. BAILEY, BA, MA ..... Director, Division of Alumni Relations; Executive Secretary of EKU National Alumni Association
Leander B. Jennings, BS, MS ..... Associate Director
R. Pauline Lively, BS ..... Alumni Annual Fund Coordinator
Sandra K. Tapley ..... Production Control Coordinator
TBA ..... Director, Division of University Development
TBA ..... Associate Director
TBA ..... Development Officer
Abigail A. Horn, BBA ..... Coordinator of Donor Records and Stewardship
RONALD E. HARRELL, BA, MA ..... Director, Division of Public Relations and Marketing
Donald E. Rist, Jr., BFA ..... Associate Director
Jerry D. Wallace, BS ..... News Editor
Tim W. Webb, BA ..... Photographer

Military Science Department

LIEUTENANT COLONEL Brett E. Morris, (1999), Professor of Military Science, BA, Texas Tech University, (1980), MA, Naval Post Grad School, (1988).
MAJOR Michael J. Jesse, (1999), Assistant Professor of Military Science, BS, Eastern Kentucky University, (1985).
CAPTAIN Karl J. Strellner, (1998), Assistant Professor of Military Science, BS, Methodist College, (1991).
MASTER SERGEANT Maldorado Kovaleski, (1999), Senior Instructor.
SERGEANT FIRST CLASS Eddie J. Jones, (1998), Instructor, AAS, Fayetteville Technical Community.
STAFF SERGEANT Lynn P. Banks, (1998), Instructor. AA, AS, Enterprise State Junior.

Faculty Listing

ABNEY, WILLIAM M. (1976), Assistant Professor, Fire and Safety Engineering Technology. AA, BS, MS, Eastern Kentucky.
ACKER, R. DEAN (1963), Professor, Education. BA, Wooster; MEd, EdD, Florida.
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